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AMERICAN POULTRY WORLD

JANUARY, 1917



First Prize S. C. White Leghorn Cockerel, Boston Show, January 1916. Bred and owned by
Owen Farms, Vineyard Haven, Mass. (See page 119)

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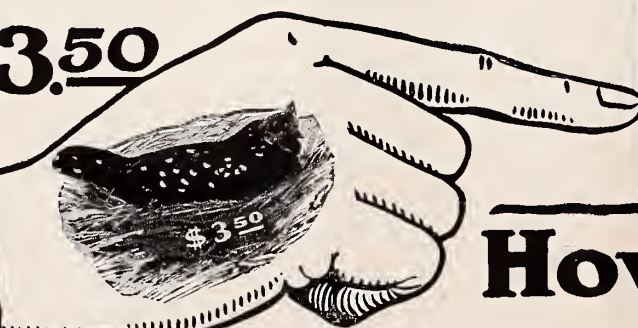
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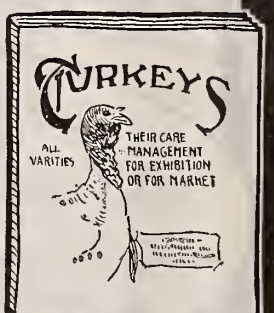
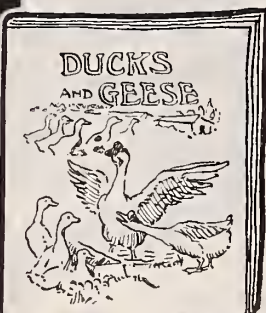
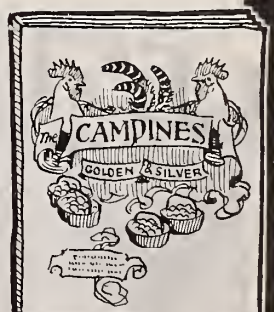
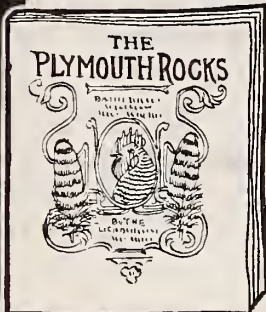
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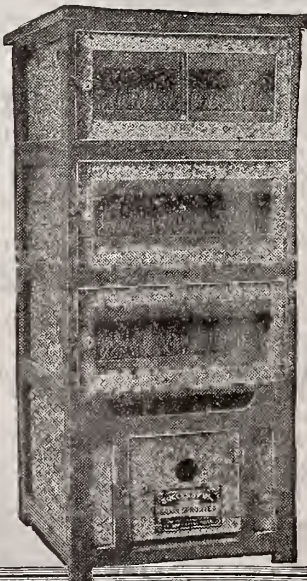
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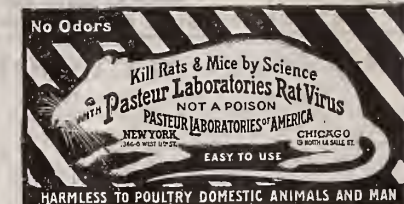


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ANDREWS'

White Wyandottes

WON AT BOSTON, 1915

FIRST COCK, HEN, COCKEREL AND PEN;
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5th Cock and 4th Cockerel. Best Display.

If you want to start right buy your show birds and breeders from a line that have been consistent winners at the Great Boston Show for the past 17 years. They have been bred right. Always winners, great breeders, heavy layers. Having SIZE and STAMINA. Write for prices. ou show birds or breeders.

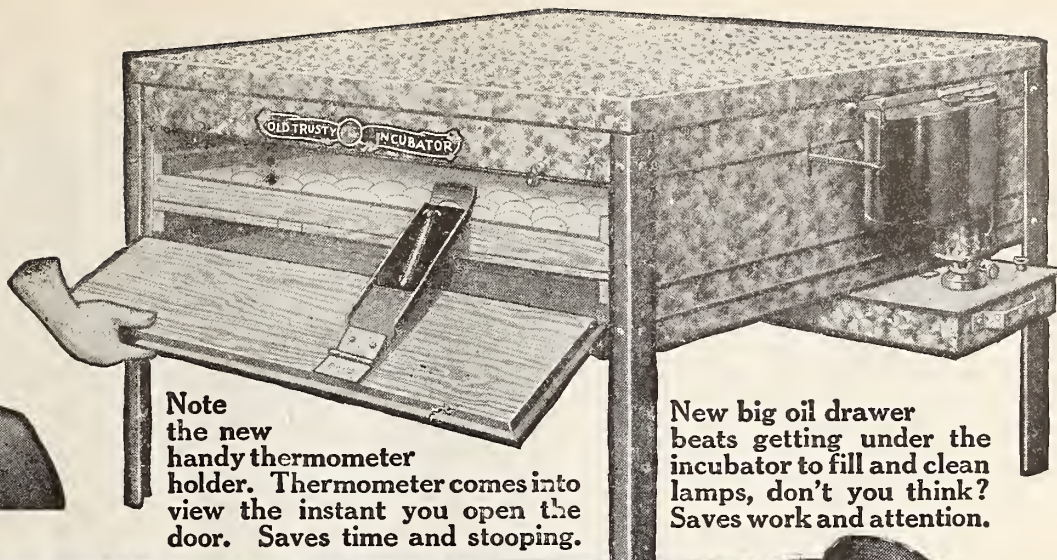
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Note the new handy thermometer holder. Thermometer comes into view the instant you open the door. Saves time and stooping.

New big oil drawer beats getting under the incubator to fill and clean lamps, don't you think? Saves work and attention.

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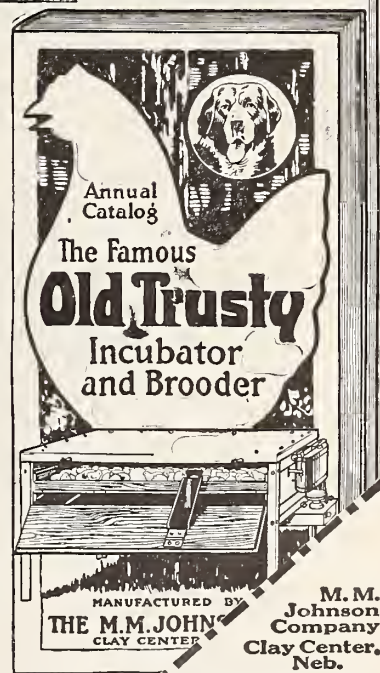
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TO make Old Trusty a better hatcher would be out of the question. We couldn't improve the case, nor the time-tested heating system. Bigger hatches would be impossible, for Old Trusty leads the procession for biggest average hatches year after year, even in coldest weather.

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About 700,000 satisfied owners now boost for Old Trusty. Not a single one has ever found anything lacking in Old Trusty. They have made big average hatches year after year even in coldest weather. *Ten years* of big profit hatches for Francis A. Kressler of Walnutport, Pa., at about 20 cents each, is just one of thousands of Old Trusty's records that come to our attention. Of course owners are most always boosters, but the fact is Old Trusty has hundreds of thousands more owners than any other incubator. Why? Because Old Trusty was invented by a practical engineer and poultry raiser, is built by people who put their entire time and attention to it and who depend upon it for their success. Old Trusty could not be built better no matter what price you would pay for it. Better materials are not made and no one could think of a better construction. Yet you get Old Trusty at a low price. The reason is, it's built in the world's largest incubator factory with the latest cost-saving machines and equipment. We keep the quality up and the price down.



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WILLIAM
TOMPKINS
QUALITY



R. C. RED HEN FIRST PRIZE SHAPE & COLOR SPECIAL, R. C. RED COCKEREL HEADING FIRST PEN, SECOND S. C. R. I. RED PULLET
ALSO SHAPE SPECIAL S. C. FEMALE, WINNERS AT NEW YORK PALACE SHOW DEC. 1916, BREED OWNED & EXHIBITED BY
HAROLD TOMPKINS CONCORD MASS.

Rhode Island Reds seem to be more popular than ever judging from the large classes we find at recent shows. While their popularity has been growing from year to year, their quality has been improving wonderfully. To win today even at a small show requires birds of a choice type and color, for breeders are producing a larger per cent. of show quality birds than formerly. This has been brought about by men who knew the breed thoroughly and how to handle the birds. Men like Harold Tompkins, whom we regard as being one of the most expert fanciers of the present day, have produced thousands of show birds each year and have sold them broadcast over the country. The effect has been apparent even in the smaller shows. These famous breeders will continue to grow even better ones no doubt, but the improvement, of necessity, cannot be so great. We have seen Harold Tompkins' birds at many shows and in our opinion his present-day winners are the most valuable, from a breeder's standpoint. They have years of breeding behind them, which makes Tompkins' Rose and Single Comb Reds very popular with his customers. The group above shows three of Harold Tompkins' winning string at the recent Palace Show, New York City. First Prize Rose Comb hen won shape and color specials. The Rose Comb cockerel headed the first pen and the Single Comb pullet won second. At this show Mr. Tompkins' Rose Comb Red won 2 cock; 4, 5 hens; 5 cockerel; 1, 3 pullets; 1, 2 pens. He told me that his Single Comb Reds this year are better than ever and that he has a grand lot to supply the demands of his trade and for his own breeding yards.—A. O. Schilling.

INTERESTING STORY OF A SUCCESSFUL RHODE ISLAND RED BREEDER

Familiar With The Breed Since His Childhood, Harold Tompkins Began When a Very Young Man To Breed His Own Strain From His Excellent Foundation Stock—Is Now Numbered Among the Great Breeders of Reds—Suggestions That Are Valuable To Beginners

BY HAROLD TOMPKINS

WRITER has been actively engaged in the breeding of Rhode Island Reds for the better part of twenty years. During that time I have made a careful study of the mating and breeding of Reds for fancy points without losing sight of their high utility qualities, which I believe are second to none.

One might say it was natural for me to select Rhode Island Reds as my favorite among all standard-bred poultry since my ancestors had a large share in starting the breed. But if I had to start again I would select the Reds for these three reasons:

First, they are the hardest breed to bring to perfection and they offer an excellent opportunity for careful study in mating to produce best results.

Second, red has always been my choice of color (except in a show room, where, of course, my preference is for blue).

Third, as a breed I do not think they have a superior for table use or for prolific egg laying.

While attending both grammar and high school, I put in all my spare time among the Reds on my father's farm and by keeping my eyes open I learned how the good ones were produced and what kind of matings produced a greater per cent. of good birds. Finally, one spring after my father had mated 26 pens of Single and 15 pens of Rose Comb Reds, he gave me the privilege of selecting a pen of each variety for my own. I selected eight Single and eight Rose Comb females and then began to look for the proper males to go with them. This was no small task, for after a heavy winter trade in males and forty good ones had been selected for breeding in my father's pens, the kind I was looking for naturally were scarce. After hunting around for the better part of a day, I selected two males that suited the females very well. These two pens would each have been worth about \$50 at the prevailing prices of those days.

That summer I raised 275 chicks from these pens, among which were the first Rose Comb cockerel at Madison Square Garden and the second pullet at Boston, which goes to show that it does not always take winners to produce winners. Out of those 275 chicks there were about 65 that would be classed as utility stock, the rest being fit for showing and breeding. That stock was the foundation of the birds I own today. By following ideas that were entirely my own, I now have a flock that produces for me about 85 per cent. of good saleable birds each year.

Perhaps the first requirement a man should have in starting in the poultry business is enthusiasm; the second, I would say, is a wife who has the same amount of enthusiasm and faith in the breed they select. I mean that they must have a firm determination to stay with the breed until all obstacles are overcome, so far as it is possible for them to be overcome.

This does not mean that ultimate success lies in taking all the blue ribbons at the large shows, for in present day competition this is almost impossible, because the man who has only a small flock in his back yard is as liable to run

away with the blue ribbon as the man who raises thousands of birds. The way Reds are being shown today there are about twelve birds in each class at the large shows that are about of equal quality, and it is largely a matter of the judge's choice which bird gets first prize.

I would apply the term successful breeder to the man who mates his birds with extreme care, raises his chickens in good, clean, roomy houses, and who in the fall can look about him and see a good supply of A No. 1 birds of which he would not be ashamed in any company, whether they win or not. Usually you will find such a breeder coming to the show year after year and winning his share of the prizes.

Along in 1910 we decided to buy a small farm and found a place that was well adapted to poultry and handy to the electric and steam railroad lines. After paying for the place, we did not have enough money to build the necessary hen houses, coops, etc., so I did carpentry work in Boston in order to secure enough money to build the houses, while my wife raised the stock with which to fill them.

At first we were compelled to eat a good many birds that were easily worth \$5 to \$10. But I began to show and soon the demand for our stock increased, and by trying to give each customer a little more than full value for each dollar received for stock or eggs, we have built up a good business. We feel a just pride because we have had no complaints made against us to the mediums in which we have advertised, and in handling

nearly 3,500 Reds we had but four birds returned for various reasons.

Making a Start

As a result of my personal experience and watching others, I would say that to secure a start in poultry keeping the

(Continued on page 142)



Harold Tompkins, Concord, Mass.,

The successful breeder of Single and Rose Comb Rhode Island Reds of exhibition quality, is the son of Lester Tompkins, and the blood lines represented in Harold Tompkins' flock go back to the Tompkins' strain originated by his grandfather about forty years ago. The grandfather of Harold Tompkins was one of the first men in New England to recognize a new breed of domestic fowl in the "red chickens" of Rhode Island, and jointly with a neighbor he did his share to establish their breed characteristics. Here, therefore, are blood lines that go back forty years or more.

A Successful Poultryman of the Hoosier State

Report of Enjoyable Visit to W. D. Holterman's Home—His Whole Family Is Interested in the Production of "Aristocrat" Barred Rocks and Join In Building a Permanently Successful Business

BY A. O. SCHILLING

WHENEVER we think or speak of a man being successful in the poultry business, or in any other line for that matter, we always feel much admiration for him. To be successful in one's chosen work gives a comfortable feeling of having accomplished our mission in life, even though ambition spurs us on to accomplish one success after another. If a man chooses a professional or some special occupation like the production of standard-bred poultry, and he succeeds, though it requires a life time, he has the satisfaction of feeling he has not lived in vain.

Among the successful poultrymen of the Hoosier state is W. D. Holterman of Ft. Wayne. He devoted a great part of his early days to the drug business, but finally decided that the poultry business was the occupation that would please him best and enable him to enjoy the comforts of life to which every honest man is entitled. It was the out-of-door life, the opportunity to draw closer to nature, that helped him to reach this decision. He has been an admirer of fine bred stock and a long-time breeder of Barred Rocks, so it was to be expected that they would remain his favorites when he reached the decision to specialize in the production of pure-bred poultry.

We first heard of Mr. Holterman some ten years ago, though prior to that time he had bred Barred Rocks in a small way along carefully considered plans and thus had laid a good foundation for the business that was to become his life work.

Recently we spent an afternoon and evening with Mr. Holterman and his family and enjoyed a brief scrutiny of his now famous "Aristocrat" strain Barred Plymouth Rocks. It had been our intention to stay longer and to take pictures and secure certain information that we felt would be of value to our readers, but circumstances developed which made it necessary to cut the visit short.

At an early date we hope to be able to tell you more about the excellent flocks and the really scientific breeding methods Mr. Holterman has been putting into practice in his yards, which have produced so many fine specimens during the past years. It was our plan to tell all about the birds that we saw

at Mr. Holterman's place during our short stay, but we are tempted to dwell now upon the Holterman family, for after all, the members of that family group are responsible for the excellence of those grand flocks of birds. In other words, they mean to the reputation of this established business in Barred Plymouth Rocks what an engineer means to a train or a pilot to a boat. In fact, they are more, for they are the manufacturers so to speak, and to them great credit is due.

After a short trolley ride out of Ft. Wayne we arrived at the station nearest their place and a short walk brought us to the famed "Lincoln Highway". The Holterman place is located on this national thoroughfare in plain view of the thousands of tourists who pass to and fro over this nation-long road.

When we came near enough to observe the lay-out of the plant we admired it, but after we had made the rounds and visited the numerous plants and buildings and returned to Mr. Holterman's home, our appreciation increased when we learned that Mr. Holterman himself had practically built the plant according to original ideas, which were embodied even in the home itself. But Mr. Holterman is a builder not only of houses but of a strain of winning poultry and a world-wide reputation for honest, fair treatment. Above these, however, he has built about himself home surroundings that bring him happiness, to which we hope will be added health and long life.

The Holterman family includes a wide-awake, hustling son and a charming daughter, each of whom has special duties to perform, which they do each day with renewed interest and love of the work. Is it any wonder that they have succeeded? Nothing is neglected. The little details are attended to and all join in making the success permanent by applying honest business principles. The result cannot be otherwise than good. This, we would say, is the secret of the success of W. D. Holman as a breeder of high-class exhibition poultry.

It was the first time we had ever met Mr. Holterman, and needless to say we enjoyed the visit. We had, however, seen

(Continued on page 151)



PARTIAL VIEW OF THE POULTRY PLANT OF W. D. HOLTERMAN, FORT WAYNE, IND.

Here and on the opposite page we present two views of the present home of Mr. W. D. Holterman. He designed his own residence and it was built under his personal supervision, in fact, he did a large amount of the work himself.

Greater Buffalo Show December 11-16, 1916.



Some Extra Good Birds Faced the Judges at the Recent International Poultry Show Held at Buffalo—Urban Farms Deserve Especial Mention and Thanks For Their Big Entry—Big Showing of Bantams and Pigeons

BY A. O. SCHILLING

THE fourth annual show of the International Poultry Association opened its doors to the public, Dec. 11, 1916. Buffalo being fortunately located geographically to draw exhibits from a wide area, both in the states and Canada, should hold a truly international exhibition, and not only is it an international show in name but in fact, for annually we find here exhibits from the best Canadian yards as well as from the most expert breeders on this side of the line.

The Broadway Auditorium, Buffalo, is without question one of the finest exhibition halls in the country. It was well decorated with bunting and the cages were arranged with broad aisles which made it easy for the visitors to enjoy studying the beautiful birds. The exhibits were cooped singly, which is appreciated by breeders who send their high-class specimens for competition. The management has been very successful in conducting an exhibition that has won the friendship of those who show their birds and who attend in person, and we doubt whether there is a more efficient set of men in charge of a poultry show at the present time.

According to the catalogue, there were over 3,000 entries and the hall was well filled with a wonderful display of poultry, pigeons, waterfowl and pet stock. One unique feature of this exhibition was the competition of utility classes, pens of a breed competing only with each other. Much interest was shown in these utility classes, especially in the White Leghorns, of which there were 26 pens, both old and young.

Credit is due the secretary, Wm. H. Gaude, 323 Electric Bldg., Buffalo, N. Y., for his earnest efforts in conducting a show that would reflect credit on the International Poultry Association and that would win many friends and the way for a larger exhibition next season.

The officers of the association are: W. C. Houck, president, Buffalo, N. Y.; J. F. Knox, vice-president, Buffalo, N. Y.; Hugh A. Rose vice-president, Fonthill, Ont.; J. C. Van Vleet treasurer Buffalo, N. Y.; Wm. H. Gaude, secretary, Buffalo, N. Y. Mr. G. M. Soverhill was superintendent of the poultry and Howard J. Young was superintendent of the pigeons.

Buffalo has a live poultry club called the Niagara Frontier Fanciers' Club, whose president is E. H. Maytham, and the secretary is W. C. Dobe. They meet on the first and third Tuesday evenings of each month, in the club rooms, 323 Electric Building. These rooms are open at all times to members and their friends, and visitors are always welcome. Poultrymen, who pass through Buffalo, should make a note of this fact.

Some of the Winners

Among some of the leading exhibitors and winners at the Buffalo Show was Urban Farms, Pine Ridge, Buffalo, N. Y. With their usual grand display of White Plymouth Rocks and Black Langshans, they won the majority of prizes, including best display, on both of these breeds. Mr. Geo. Urban, Jr., proprietor, is one of Buffalo's enthusiastic fanciers who has always been a breeder of pure-bred stock. During recent years he has been producing some remarkable quality in White Plymouth Rocks and Black Langshans, especially the former, with which he won 1, 2 cock; 1, 5 hen; 1, 4 cockerel; 1 pullet; 1 pen. Among this fine collection we admired first prize cock and first prize hen. The fact is the 1st hen was an unusual female in type and color, while in plumage, she was the close-feathered sort, with an elegance of finish that makes her very attractive. The winning cock was a large, stylish bird with excellent furnished saddle and rather low carried tail. He was a very symmetrical specimen and the kind that would hold his own in any company.

Urban Farms' exhibition of Black Langshans was one of the great attractions in the Asiatic classes. This strain of Langshans has been winning for Urban Farms at some of the largest shows in the east, including Madison Square Garden and Boston during recent years.

Mr. Urban is an ardent admirer of continental bantams, namely, the Polish Bearded, Mille Fleur Booted, Light Mottled Booted, Black Spanish Booted, Black and White Booted, also the Black Tailed Japanese bantams.

(Continued on Page 127.)



ANOTHER SECTION OF W. D. HOLTERMAN'S WELL-KNOWN POULTRY PLANT.

These two views do not do justice to Mr. Holterman's poultry plant. The hexagonal poultry house is one of his main houses. Our readers can rest assured that "Aristocrat" Barred Plymouth Rocks are well housed and have abundant range.

Methods and Systems of Judging



A Discussion of the Merits and Demerits of the Comparison and Score-Card Methods—Two Tables Showing, Among Other Things, How the Scale of Points in the Standard of Perfection Have Been Steadily Gravitating Toward the Valuations of the Decimal System - Draws Some Interesting Conclusions

By JOHN H. ROBINSON, Special Contributor

PART III.

IF we have a fixed number representing perfection, and a scale of specific cuts applying to many or all breeds and varieties, and undertake to make a scale of points so distributed to the various sections considered in judging that the cuts for faults will be correctly proportionate to the value given sections in our scale of points, we can only obtain this result by having uniform scales of points, as in the decimal system.

To show how, when the principle of specific cuts was introduced into the Standard, scales of points began to be changed toward the decimal system plan of equal values for shape and color in all sections, I have prepared the accompanying tabulations of the scales of points for the American, Mediterranean and Asiatic classes as given in the Standards of 1890, 1898, 1905, 1910, 1915, and have included in the tabulations the scales of points for the leading breed of each class from the Standard for 1875, and the decimal scale of points.

In view of the fact that the Standard scales of points have always been formulated on the principle that sections differ in value, it is remarkable how the changes in scales of points in the Standard are steadily gravitating toward the valuations of the decimal system. Upon a superficial view it might be thought that such a change shows that the decimal scale is the better scale. But if the tables are studied more closely, it will be seen that the approximation to the decimal scale has been taking place only in a part of the list of sections, and that the sections affected are the plumage sections which are subject to the same specific cuts.

In the second table are shown comparatively all the scales of points in the present edition of the Standard. It is apparent that, in general, there is a marked tendency toward uniformity in scales of points, as there must be if we have uniform scales of cuts for all breeds and undertake to make a scale of points that will have a definite relation to those cuts. If we compare figures in the two tables, keeping in mind that, in general, all classes have gone through about the same changes as the American, Mediterranean and Asiatic classes, we can see that the most significant drift is that of points from the first three named sections, symmetry, weight and condition, which are not sections at all in the sense that the others are, to supply points against which to cut in the real sections when the specific cuts are made and supplemented as they must be at times by cuts obviously necessary, but not yet included in the official list.

As an example of such necessity, take the head section in the 1905 Standard. It was allotted 4 for head, beak and eyes; in the American class, 6 points, 3 for shape and 3 for color; in the Mediterranean class, 6 points, 2 for shape and 4 for color; in the Asiatic class, the same as in the American. Then in the list of cuts for defects, it gave a maximum cut of $2\frac{1}{2}$ points for positive white in the face of cocks of the Mediterranean class except White-Faced Black Spanish. This left a margin of only $\frac{1}{2}$ point to cut for all other color defects of head, face, beak and eyes without having the cuts exceed the color valuation of the section. The maximum cut prescribed for wrong color of eyes was $1\frac{1}{2}$ points.

In the 1910 Standard, beak and eyes were valued as separate sections in the American and Mediterranean classes, and the valuation of head, beak and eyes was raised in the American class from 6 points to 12, and in the Mediterranean class from 6 points to 14. In the Asiatic class, eyes were made a separate section in 1910, and in 1915, beak was made a separate section and the distribution of points was made the same as for the American class.

Now, if total valuation of all sections of the perfect Standard specimen is fixed at 100 points, the valuation upon any section can be increased, or a new section can be made and given a valuation, only by taking points away from some section. The only sections that can be thus robbed with impunity are symmetry, weight or size and condition, and weight has now been reduced to the lowest point possible under the system that has been adopted. Valuation of the section, "Legs and Toes", has been reduced a little for most classes and for some a great deal. In the Mediterranean class, it has been reduced to 4 points—2 for shape and 2 for color. Two crooked toes would take all the points of valuation allotted to shape of thighs, shanks and feet; there is clearly an under-valuation here. Indeed, it would be rash to affirm positively of any section for which numerous specifications are made in the Standard description, that its allotment of points in the present scale of points is ample to cover the total of maximum cuts that a judge might make in that section of a specimen.

In a preceding paragraph, the statement was made that the assumption that the scale of points is the basis of score card judging is a fallacy. Let us consider that point more in detail. Unquestionably, it was the original intention of the fathers in the American Poultry Association to make the scale of points the foundation of judging practice, and as unquestionably many judges have striven earnestly to develop their methods upon that theory; but, as has been shown over and over again in discussions of judging, the theory and practice cannot be regularly harmonized even in the work of one good judge.

The truth as to the relation of the scale of points to judging practice has been that it was not a factor in judging but was assumed to be a test of the correctness of judging. Men cannot employ it in regular judging work upon the original theory of making cuts in percentages of the value of the section as given in the scale of points, because the process would be too long and unless a judge is a prodigy in that line he cannot remember correctly all the numerous scales of points. Just look at that tabulation of scales of points in the Standard and ask yourself if it is reasonable to expect a judge, called upon to judge any and all varieties, to keep all those valuations correctly in mind. I knew judges years ago who had committed the greater part of the Standard, including the scales of points, to memory, but as one of them once told me, "When you get to working fast you are very apt to work upon old valuations that have stood for years and that you are familiar with, instead of according to the latest revised scales of points."

Leaving all theories of the philosophy of judging out of consideration, judging by score card, according to the Standard, consists in making the customary cuts for the common defects and grades of defects, adding these cuts together and subtracting their sum from 100, which is the number taken as the perfect score of a perfect bird. Nearly all cuts are matters of opinion and judgment rather than of fact and definite measurement, hence, agreement in judging and uniformity in judging depend upon learning what are customary cuts in good judging practice—not upon efforts to harmonize judging by submitting all results to a test scale of points.

In the evolution in judging methods that is steadily taking place, the scale of points was in the first place a fictitious factor. It had no proper place in the system, as originated by the American Poultry Association. As things are going now, with

(Continued on Page 128)



The Palace Show New York City December 5 - 9 1916

While the Classes at the Recent Palace Show Were Not Quite So Well Filled As Last Year, The Uniform High Quality of the Birds Was Truly Remarkable—S. C. R. I. Reds Were Out In Force Winning the Palace Special of \$50.00 for the Largest Entry—The Fortunate Winners of Coveted Honors

By GEO. W. TRACY, Field Representative

TEN years ago a member of our staff, who had occasion to visit several breeders in the vicinity of New York City, learned that a poultry show was being held on Long Island by a club, called the Empire Poultry Association of Mineola, N. Y. This show was held at Richmond Hill, but soon outgrew the place and developed into the successful Palace Show, held annually in New York City.

From a small beginning with 900 entries, this organization has built up an exhibition that has grown to be one of the largest shows in the country to-day. The first president of this association was Mr. P. H. Scudder, who was a popular Barred Plymouth Rock Judge at the Madison Square Garden for many years. Succeeding Mr. Scudder was Mr. Robert Seaman, who has been president during the past eight years. During the fifth year of the existence of this organization, our good friend, Mr. L. D. Howell became secretary, and took the reins in hand, and the Palace Show has advanced rapidly in size and popularity until now it ranks among the best half-dozen shows in America. This speaks well for the management of the Empire Poultry Association and is ample proof that the organization was in good hands and the guiding forces understood and performed their duties well.

Mr. Howell has made many warm friends among poultrymen and has many admirers, all of whom will join with us in congratulating him on his recent election to the office of surrogate of Nassau County.

This year the Palace exhibition hall was again filled with a wonderful display of poultry, pigeons, water-fowl, covies and song birds, beautifully arranged and caged in attractive fashion. The show itself made a finer appearance than ever before as its decorations were truly artistic. Forty-four supply dealers had

their well-arranged displays along the sides of the hall in their usual positions, all of which helped to command the attention and interest of the many visitors from New York and its suburbs. With these good features combined with exceedingly pleasant weather, the attendance was quite up to that of last year.

There are 55,000 square feet of space on the main floor and 58,000 square feet of space on the second floor of the Palace exhibition hall. This affords accommodation for a very large entry and enables single cooping which, as we all know, is appreciated by breeders and exhibitors. It is our opinion that the quality of this exhibition was equal, and in some classes, superior to any that has ever been shown before, particularly so in the Barred Rock, White Wyandotte, Rhode Island Red and Orpington classes. We do not mean to say that the quality throughout in all of these classes was better than ever before, but we recall individual specimens among these exhibits that we regarded as the choicest of their kind and, with possibly a few exceptions, the best we have ever seen to date.

The classes, as a rule, were wonderful in their uniformity of quality, though numerically, they fell behind last year's big record, but in the sum total of quality they far exceeded it. To the casual unqualified critic this might not be apparent, as the class in which one or two birds stood out as being ahead of their class would be more apt to attract his attention to that class and cause him to magnify its quality as a whole.

The Barred Plymouth Rock classes, ably and carefully handled by Judge Shaylor, were the best yet shown at the Palace. This class was enlivened by the entries of Mr. O. B. Andrews, Dept. R., Chattanooga, Tenn. First pullet was the gem of the class.

(Continued on Page 135.)



FIRST PRIZE WHITE WYANDOTTE COCKEREL
NEW YORK PALACE SHOW, DEC. 1916.
BRED AND OWNED BY
FERNBROOK FARM ALBANY N.Y.

The White Wyandotte classes at the recent Palace, New York, Show were equal, if not superior in quality to any we have ever seen at this exhibition. There were 74 birds in the single classes, nearly all of which came from America's most prominent breeders. In this class Fernbrook Farms, Box C, Menands Road, Albany, N. Y., won 1, 3 cocks; 3, 5 hens; 1, 2 cockerels; 1, 3, 5 pullets and 1, 4 pens. The cockerel shown above was winner of first prize in a class of 22, many of which were fit to win in any other competition. Fernbrook Farms have produced a grand lot of youngsters this season and we are informed by Mr. Arthur Bouck, superintendent and manager, that they are the best lot he has ever had. This strain of birds today is second to none in the country, as their show records have proved, and no doubt they will be heard from at later shows this season. This cockerel was one of the kind, that at a glance, impresses one as having true Wyandotte characteristics. He is of sturdy type, solid in body, and beautifully modeled in all sections.—A. O. Schilling.



Coliseum Show

Chicago Dec. 13-18, 1916



The Recent Coliseum Show Ranks Among the Most Important Poultry Exhibits Ever Held in the Great Mississipp Valley—There Were Some Birds of Truly Wonderful Quality and Many Above the Average—Number of Fine Sales Made

BY A. O. SCHILLING

WE have seen many good shows at Chicago during the past years, but in our opinion the recent exhibition which closed its doors on Monday evening, December 18th, 1916, staged by the Mid-west Poultry Association, was one of the greatest and most important events of this nature that has ever been held in the middle west. We base our opinion on the quality, number of entries, sales of stock, eggs, etc., and the excellent attendance. So the great Coliseum Poultry Show went into history as one of the most successful shows ever held in this country.

It was a well-managed affair in all respects. Superintendent Chas. G. Pape, the well-known Black Minorca breeder of Fort Wayne, Ind., with his four able assistants, kept things in perfect running order, co-operating with Secretary Theo. Hewes, who has made a study and business of conducting poultry shows in that section of the country.

In appearance and general arrangement this exhibition presented a striking improvement over those of former years, and we were especially pleased to find the classes so placed that the less popular breeds were not crowded altogether into the far corners of the show room, giving each breed and breeder an equal opportunity in the matter of advertising.

There were no pigeons or pet stock entered therefore this show was exclusively a poultry and water fowl exhibition, yet there was a total of over 3,400 specimens. As a matter of fact there were only 80 entries of turkeys, ducks and geese, so our readers may gain some idea of the popularity of chickens and the Coliseum Show in our great mid-west.

The bantam section contained 308 specimens, many of which were fine quality. We were pleased to find that bantam fanciers are again patronizing this exhibition.

According to this catalogue, 255 breeding yards were shown, besides thirteen additional large display coops. These embraced many of the most popular breeds. We feel free to state that this show was the best ever held in Chicago so far as we have seen, not only in numbers but in quality.

As in former years the exhibits came from all parts of the country, and represented 333 exhibitors, that being one more than the previous year.

Some display pens not in competition, were grouped in the center of the building, the birds belonging to Mr. U. R. Fishel, Hope, Ind.; Chas. V. Keeler, Winamac, Ind.; Rau and Fry, Indianapolis, Ind.; Frank E. Hering, South Bend, Ind., and Aldrich Poultry Farm, Columbus, Ohio. These display cages were attractively decorated and with the birds, made a beautiful appearance.

Mr. U. R. Fishel, Box B, Hope, Ind., exhibited a display cage in which were one cock and eight hens that were wonderfully well-matched in type. We thought the male heading this pen was one of the best of the large number of males that Mr. Fishel entered. He was a tall sturdy bird carrying a level, well-formed body, and he had an excellently formed back and tail.

Another cage containing a display pen (six beautiful hens and a cock bird) of S. C. R. I. Reds, belonged to Rau and Fry, Hawthorne Poultry Farm, Indianapolis, Ind. This cock bird won first prize as cockerel at the 1915-16 Madison Square Garden Show. He developed into a large, vigorous bird, carrying a low tail and long, broad back and saddle. In this group was the hen that is the dam of many of the cockerels that won in recent years for the former owner of this

strain of S. C. R. I. Reds, Mr. B. H. Scranton, who sold his entire stock and good will to Messrs Rau and Fry.

We were pleased to have a visit with our friend Chas. V. Keeler, R. F. D. 17, Winamac, Ind., who was one of the judges in the Wyandotte classes. In company with Mr. Keeler we stood for some time admiring his pen of five choice birds, one cock and four females, and we congratulate him on having created what, in our opinion, is one of the most practical strains of White Wyandottes in this country.

The Keeler type of Wyandotte is of medium size though possibly somewhat larger than the so-called eastern type, and



FIRST PRIZE COCKEREL NEW YORK PALACE SHOW DEC 1916.
Bred And Owned By
HOMESTEAD CAMPINE FARM WAYLAND MASS.

We have watched the development of the Homestead Campines since Mr. C. A. Phipps first began to breed them, and have seen their color, type and vigor improve from year to year. It has been our privilege to make numerous studies of these winners at such shows as Madison Square Garden, the Palace, Boston and Syracuse where they have been carrying off the honors in past years. In fact, at times they won practically all of the honors competed for. Mr. C. A. Phipps, proprietor of Homestead Campine Farm, Box W, Wayland, Mass., named his the "Vigorous Strain" in order to call attention to this necessary quality of high grade stock. The name fits them well for they are sturdy, active prize winners. Both hens and pullets are capable of "filling the egg basket". We do not recall ever handling a more wonderful cockerel than the individual shown above. He was a bird of excellent size, remarkable plumage and marking, with style, action and vigor that are uncommon. Safe to say Mr. Phipps will produce more like him and he now possesses plenty others that may be classed with him in form and color.—A. O. Schilling.



possesses a refinement and vigor that can not be over-rated. They are birds of unusual endurance, excellent laying capability and in themselves are a reward for their keeping. Birds passed on such a standard as this are worthy of the high regard in which we hold Mr. Keeler's White Wyandottes.

One of the displays that created a great deal of favorable comment was the collection of S. C. White Leghorns shown by Mr. Frank E. Hering, South Bend, Ind. Aside from the wonderful record birds which Mr. Hering entered in the single classes, he exhibited a display pen, not in competition, which was distinguished by its remarkable group of females and more remarkable cockerel. According to the Leghorn fashion of today he possessed the graceful outline and had the style and finish that made him a true Leghorn from stem to stern.

Where the classes are large and the highest quality birds are competing it is to be expected that, with decisions made on slight variations in type and form, the judges will meet with criticism in placing the awards, but we are pleased to state that comparatively few exhibitors expressed dissatisfaction and the work of the judges was considered well done.

The judges who passed upon the classes are as follows: C. S. Byers, Newton Cosh, Olin Colip, H. J. Goette, Geo. Hackett, J. C. Johnston, Edward Joyson, A. F. Kummer, Chas. V. Keeler, W. C. Pierce, Leonard Rawnsey, Herman Rikhoff, Geo. Wells, Ralph Whitney and D. K. Williamson.

With a total of 257 single entries and 50 pens, the R. I. Red classes stood out as the largest in the show. In the ranks of the R. C. and S. C. R. I. Red classes were specimens that had competed successfully in previous shows carrying with them the highest honors from the foremost exhibitions in this country.

Next in sequence according to numbers were the Barred Plymouth Rocks with 209 entries in the single classes and 28 pens, followed closely by the Silver Laced Wyandottes with 89 single class entries and 8 pens, and the Buff Wyandottes with 78 single entries and 20 pens.

Of the other popular breeds and varieties we have in consecutive order the S. C. Brown Leghorns, 75 single entries, 11 pens, including both cockerel-bred and pullet-bred classes; White Wyandottes, 69 single entries, 11 pens; S. C. White Leghorns, 66 single entries, 14 pens; S. C. Black Orpingtons, 64 single entries, 6 pens; S. C. Black Minorcas, 64 single entries, 10 pens; S. C. White Orpingtons, 59 single entries 14 pens; S. C. Buff Orpingtons, 58 single entries, 10 pens; White rocks, 57 single entries, 11 pens; S. C. Buff Leghorns, 48 single entries, 11 pens; Light Brahmas, 43 single entries, 7 pens.

The once popular and attractive Buff Cochins was conspicuous by its absence. We were sorry to note that this was the case and hope that those breeders who have remained faithful to this worthy fowl will let us see what varieties they are producing by displaying them at some of our exhibitions.

Noteworthy Records

One of the most sensational wins at this show was made by Mr. U. R. Fishel's White Plymouth Rocks. His winnings in the regular single classes were as follows: 1, 2, 3, 5 cocks; 2, 4, 5 hens; 1, 2, 3, 4 cockerels; 1, 2, 4, 5 pullets; 1, 2 old pens; 1, 2, 3 young pens. In addition to this Mr. Fishel won champion male, champion female and silver cup for best display.

We regarded Mr. Fishel's collection as far superior to any he has shown in previous years both in number and quality. He has raised some 7,000 birds of which nearly 3,000 are cockerels. We handled two of the winning males and females and found them of excellent color and plumage, noting particularly that the leg color was a good rich orange yellow. With the exception of three times Mr. Fishel has won first prize cockerel, whenever he exhibited during the past twenty years—a record worthy of much praise. "Fishel" White Rocks were much in demand and sales were numerous at good prices. For information in regard to his stock, prices, etc. address Mr. U. R. Fishel, Box B, Hope, Ind.

Mr. D. K. Williamson, proprietor of Longfield Poultry Farm, Box 327, Bluffton, Ind., was again on hand with his wonderful exhibit of R. C. R. I. Reds with which he won as follows: 2, 3 cock; 1, 2 hen; 1 cockerel; 1, 4 pullet; 1, 4 old pen; 1, 3 young pen; silver cup for best display; silver cup for best female. Longfield Poultry Farm has been a consistent winner at the Coliseum during the past five sea-

sons. For the past three years they have won best display. They have for sale a number of excellent breeding and exhibition birds, and inform us that not infrequently birds hatched from their eggs, or sold by them, have won in competition with their own flock—a good recommendation of the kind of stock and eggs they furnish their customers.

Thirty-one exhibitors showed a total of 238 Rose Comb Reds. For the fourth successive year Longfield Poultry Farm,



FIRST PRIZE WHITE ORPINGTON COCK
NEW YORK PALACE SHOW DEC. 1916.
Bred And Owned By
OWEN FARMS VINEYARD HAVEN MASS.

S. C. White Orpingtons are again forging ahead in favor. This is plainly indicated by the classes seen at recent exhibitions where the quality of this useful and beautiful variety is the best that has ever been seen. Owen Farms, 115 Williams Street, Vineyard Haven, Mass., have been exhibiting some specimens remarkable both in color and type, and it is gratifying to find so many excellent specimens among their birds. In the hands of experts, like Mr. M. F. Delano, proprietor of Owen Farms, they have fared well and today have a prominent place among America's dual-purpose fowls. They have combined fancy points with utility qualities. The cock shown above was winner of first at the recent New York Palace Show. He is a bird of remarkable color and of the type that, when properly mated, will produce females capable of high egg production as well as of winning honors in keen competition.—A. O. Schilling.

Box 339, Bluffton, Ind., won best display, and during the last six years they have won six times as many ribbons as any other exhibitor at the Coliseum. Such facts prove the high quality of Longfield Poultry Farm's R. C. Reds, which have been steadily growing in popularity year by year while they have been winning laurels at various exhibitions and their values have been tested by their satisfied customers.

Ranch 1733, Kearney, Nebraska, was found among the successful winners when the ribbons were hung in the Rose Comb Red classes. They won 1, 4 cocks; 5 hen; 3 cockerel; 3 old breeding pen; 2 young breeding pen. This record made in the largest class in the show was excellent in view of the fact that the quality was of the highest and the competition consequently was very keen.

Their first prize cock bird showed remarkable type and evenness of color. He had typical R. I. Red style. His body was (Continued on page 152)

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EDITORIALS

FACT—STORY SERIES FOR A. P. W. ABOUT PROMINENT, SUCCESS- FUL POULTRYMEN.

A. P. W. hereby announces an all-the-year-round series of fact-stories, by Arthur O. Schilling, staff artist, treating of the poultry equipment, business methods and breeding ideals of foremost poultrymen of the United States and Canada.

This series was begun last month and consisted of an interesting and instructive report of a visit made in Novem-

ber by Mr. Schilling to the home and poultry plant of H. C. Sheppard, Berea, Ohio, originator of the Sheppard strain of Mottled Anconas. See page fifty-five of our December 1916 issue.

Mr. Schilling's second fact-story is published in this edition of A. P. W. and tells of a recent visit he made to the home and poultry plant of W. D. Holderman, Fort Wayne, Indiana, originator of the Aristocrat strain of Barred Plymouth Rocks. Read carefully these two sample fact-stories, because they are "right off the griddle", so to speak—are hot with human interest and give numerous facts that will benefit and inspire earnest men and women who are striving to succeed in the production of high-class standard-bred fowl.

At the close of the recent Palace Show, New York City, Mr. Schilling visited the home of E. B. Thompson, Amenia, N. Y., originator of the world-famed Ringlet strain of Barred Rocks, and in our February issue Mr. Schilling will tell what he saw there and what he was told about the methods employed in building up a strain of this character and value. All these fact-stories will be illustrated. As time goes on, the illustrations will be more numerous. These days Mr. Schilling is working rapidly!

Several other foremost eastern fancier-breeders are to be visited by Mr. Schilling this winter and early next spring. He hopes to include visits to Wilburtha Farms, Trenton Junction, N. J., to the plant of D. W. Young, Monroe, N. Y., and to the Homestead Campine Farm, Wayland Mass.

We are depending on John H. Robinson to visit three noteworthy poultry establishments in Massachusetts—namely, the Lord Farms, Methuen; the Pittsfield Farm, Holliston, and Owen Farms, Vineyard Haven.

No doubt Mr. Robinson can also make it convenient to visit Lester Tompkins' plant at Concord, Mass.

Next spring, after the rush work connected with the winter show season ends, Mr. Schilling is to arrange for a central-western trip. On this trip he will visit the Fishels at Hope, Ind.; H. W. Halbach, Waterford, Wis.; the Pabst Farm, Harlow J. Fiske, Manager, Milwaukee, Wis.; Rau & Fry, Indianapolis, Ind., and other leading successful breeders in that section of the country. Mr. Schilling will make these trips—especially next late spring and summer—for recreation, and by adopting this plan he can secure highly valuable reading matter for these pages.

On all these trips Mr. Schilling will be accompanied by his camera, and the editor has asked him to be sure to secure as many fact-statements and as much first-hand advice from these foremost successful poultrymen as he finds practicable. It is our belief that this series of articles by Mr. Schilling will be heartily welcomed by A. P. W. subscribers, in whose benefit they are to be obtained. The two fact-stories thus far presented, those reporting visits to the poultry plants of H. C. Sheppard and W. D. Holterman, are fair samples though both were written by Mr. Schilling "on the run", so to speak.

INCREASE IN A. P. W. SUB- SCRIPTION PRICE

BEGINNING with this issue, on account of the astonishing advance in the cost of paper and other items of production, the subscription price of the American Poultry World is increased from 50 cents to 75 cents per year. Single copies in future will be 10 cents each in place of 5 cents.

Take the cost of paper as an example. Throughout 1915 and during most of 1916, we bought the print paper used for these pages at \$3.80 per hundred pounds, f.o.b., Lockport, N. Y. Lately we paid \$9.75 and \$13.00 per hundred pounds for paper not as good, which paper is used in printing this issue of the "World".

The cover paper used for this edition of A.P.W. cost \$13.50 per hundred pounds, whereas twelve months ago we bought equally good cover stock at \$4.25 per hundred pounds. And at present it is hard to get usable paper, even at these high prices. For November we were forced to use an inferior grade of cover stock or go without, and in this month's issue will be found several pages that consist of much thinner paper than we desire. For this identical lot of thin paper we had to pay 13 cents per pound, or \$13.00 per hundred. For the time being it was that, or nothing.

At the present prices for paper (print paper and cover paper) it costs more than forty-one cents for the blank paper alone that is used in making up twelve monthly issues of A. P. W. This includes nothing at all for postage, printing, binding, art work, cuts, cost of articles, office expenses, etc.

Under such conditions we are forced to increase the subscription price of the "World", regardless of our wishes in the matter. We prefer to do that, rather than to reduce the number of reading pages by one-half, or cut down the quality of articles, art work, etc.

The 75-cents-per-year subscription price is hereby announced, but all PRESENT SUBSCRIBERS can renew for one year at the 50-cents-per-annum rate (or three years for one dollar), provided they do so during the next two months—January and February; but after March 1st, it will be necessary to send 75 cents for a year's subscription, or \$1.50 for three years, if you reside in the United States, or \$1.00 per year and \$2.00 for three years if the journal is to be mailed to Canada or any other foreign country. Simply ask that your subscription be EXTENDED either one year or three years, and we will comply.

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AMERICAN POULTRY PUBLISH-
ING CO.,

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OUR COVER PAGE AND OWEN FARMS

It was at the early winter show held in the Grand Central Palace, New York City, during December, 1914, that Owen Farms, 115 Williams Street, Vineyard Haven, Mass., appeared as a prominent competitor in the S. C. White Leghorn classes. Previous to that time we had heard rumors that M. F. Delano, proprietor, and F. H. Davey, superintendent, were quietly breeding up a strain of S. C. White Leghorns and they were coming into the ring "heeled" for battle against America's best.

Those who had heard about it were anxious to see what would happen, because at both the Palace and Madison Square Garden there are shown wonderful S. C. White Leghorns and the competition is sure to be keen. Owen Farms showed at the Palace in December 1914, and while it was not a "walk away," Owen Farms made a fine record, winning first on cock, second and fifth on cockerel and first pen. Those who saw the string for the first time admired them for their quality and Messrs. Delano and Davey received the hearty congratulations of friends and customers. It was a good start and since then they have not stopped adding to their record.

The strain was established by careful breeding in previous years, and being established, it was only necessary for them to produce more good ones of high quality in order to build up a reputation as breeders of high-class S. C. White Leghorns.

At the Boston Show, a month after their winning at the Palace, their Leghorns won first, second and third pullets and second and third pens in the choicest lot of Leghorns that had been shown to date.

During the season of 1915-16 this farm showed but once—at Boston, January 1916—where they not only repeated their record of the previous year, but won the display prize with as fine a collection as we have ever seen. Their full winnings were third, fifth and sixth cocks; first and second cockerels; second, third and fifth pullets and first, third and sixth pens. Among these birds we found the cockerel whose portrait is reproduced in colors on the front cover of this issue.

At the present writing we have not at hand the data explaining the blood lines and the relationship of the individuals of note that have been produced in the past few years from this family of winners, but we know it is a fact that Messrs. Delano and Davey have been doing some careful line breeding with their Leghorns. Mr. Davey told me at the New York State Fair, Sept. 1915, that the three pullets in the single class and the four pullets in their first prize pen at Syracuse were full sisters and came from one sitting of eggs. This is very creditable and is an excellent example of the reproductive quality of this strain of Leghorns, and shows what judicious mating and line breeding can and will do.

At the recent Palace, New York, show we learned of a similar case. One of Owen Farms' customers purchased a sitting of S. C. White Leghorn eggs and one of the cockerels from these eggs won second prize. He was one of the gems of the class and showed the quality of his blood relations that have brought Owen Farms their high reputation as breeders of S. C. White Leghorns. We were informed that this cockerel was purchased at the Palace Show to be shown the following week at Chicago where he was again among the winners; in fact, he was one of the stars of the class.

The above is only one case out of many, proving that Owen Farms have been making good records not only for themselves, but for their customers. We are in a position to know that they are conducting a poultry business that is remarkably successful not only in Leghorns, but in the different varieties they handle. It requires an expert, the skill and intelligence of a rare person, to produce thousands of high quality White Rocks, White Wyandottes, S. C. White Leghorns, Buff Orpingtons, White Orpingtons and S. C. Rhode Island Reds. These different varieties are raised on different farms and have been bred to such a high degree of excellence that to say a bird is from Owen Farms assures its high quality.

To supply the large demand for stock and eggs of these varieties and yet produce a sufficient number of high quality specimens to make up such remarkable quality show strings as Owen Farms exhibit, is the proof of unusual ability. Mr. Delano's success as a breeder, a manager and an exhibitor has placed him in the front ranks of poultrymen.

We regard what Mr. Delano has accomplished in White Leghorns as the equal of any good work he has done, and we hope that he may continue to produce many more such wonderful specimens as that shown on our front cover this month. This cockerel is a bird of remarkable refinement and beautiful form of the modern Leghorn fashion. He was tall and active, yet well balanced and modeled almost without a fault. His comb was fine in texture with a substantial base, and equally serrated. In our opinion one of his finest qualities was the turn of his body. The lower line from the front of the breast is continued gracefully down around the lower fluff in excellent harmony with the curve of the back and saddle. This characteristic is one that stamps a good Leghorn as a high-class show bird. He has plenty of size, solidity of body and flesh development, which all good Leghorns should have. It not only makes them symmetrical, but insures utility values as well. Owen Farms' Leghorns are of a type that makes them strong and active and enables the females to be good egg producers.—A. O. Schilling.

MR. JACKSON TO REPLY TO MR. ROBINSON'S ARTICLE ON EXPERIMENT STATION POULTRY WORK

In the October number of A. P. W., John H. Robinson, special contributor, presented an article entitled, "Influence of Educational Work on the Poultry Business". This article dealt mainly with work of this kind carried on in agricultural colleges, on agricultural experiment stations and by national and state departments of agriculture.

It was expected that Mr. Robinson's article would be read with peculiar interest by men engaged in educational work of this kind, also that they would differ with some of the statements made and several of the conclusions arrived at by the author. Information is at hand that the article was so regarded by earnest and capable men in that field of effort.

The article was read also with unusual interest by a large number of fancier-breeders, meaning successful poultrymen who are producing standard-bred fowl for profit. To a considerable extent the article was in defense of fancier-breeders, in so far as it criticized the free advertising given to indifferent specimens, as regards standard requirements, by their success in laying competitions and the direct or indirect implication that exhibition specimens are largely a matter of "fuss and feathers", whereas (by inference) prolific

Barred Plymouth Rocks S. C. Brown Leghorns

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Why Did The Chicken Cross the Road?
Because She Was Of The Famous
HOPEWELL FARMS STRAIN



and had plenty of energy
left after supplying her bodily
needs and Laying an Egg.
S. C. W. Leghorns and
S. C. R. I. Reds

Hatching eggs from hens
bred for breeders on free
farm range and never weak-
ened by forced production.

Big eggs that hatch big chicks that live.

Professor Eglantine, son of Lady Eglantine,
315-egg world's champion, specially mated.
Send for circular.

HOPEWELL FARMS, Box D-161, HOPEWELL, N. J.

Rowans Black Spanish

Blue ribbon winners at
America's leading show
Panama-Pacific, Boston and
Madison Square Garden,
Chicago. If you want stock
that will win in any com-
petition I can furnish you
needs.

If you want eggs that
will hatch prize winners I
have the quality you want.

Try Black Spanish

They are healthy, vigor-
ous and prolific layers of large white eggs.
Hatching eggs \$5.00 per thirteen. Each
additional thirteen \$4.00.

R. A. ROWAN, LOS ANGELES, CALIF.

egg laying and quick growing fowls are about all that are worth while, regardless of shape, color or previous condition of servitude.

Among the earnest students of poultry culture who objected to various statements made and conclusions reached by Mr. Robinson in the article referred to, is Homer W. Jackson, formerly an experiment station instructor, also for a number of years secretary of the International Association of Poultry Investigators and Instructors, of which body he is still a member. As is well-known to our readers, Mr. Jackson, like Mr. Robinson, is a special contributor to these pages. For some time he has conducted the department, "Government Work for Poultry", which is devoted to reviewing the work being done by the national and state governments of our country in behalf of poultry, also by the Dominion government and the provincial governments of Canada.

Immediately on reading Mr. Robinson's article, Mr. Jackson decided to reply to it. In keeping with this intention, he wrote to the professors of poultry husbandry at a number of the leading state agricultural colleges, also to managers of experiment stations and other instructors in that field, asking them for facts and opinions, based on personal knowledge and experience. Various replies have been received and Mr. Jackson will present the first section of his reply in our February issue. Probably his reply will have to be printed in either two or three parts, thus giving him full opportunity to cover the subject, which is a broad one.

Perhaps this is a good time for the editor of A. P. W. to state that he does not assume responsibility for what is published in these pages by well-known poultry writers, nor does he presume to limit the statements made by them, or the conclusions they reach and wish to make public. To do this would be contrary to our every instinct, as regards freedom of the press, the right of each responsible author to say what he believes should be said and the right of our subscribers to the frank opinions and full advice of men like Mr. Robinson, Mr. Jackson and others.

For example, it would be impossible for us to agree with Mr. Robinson in all he writes, because we have not had the same opportunities for investigation, nor is it at all likely that we would arrive at the same conclusions if we had enjoyed the same source of knowledge. The same condition is equally true as

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In cases of dissatisfaction, we ask for a prompt report, giving full particulars—and in fairness to us, we also ask that in every case where a subscriber to the "World" writes for prices or orders goods from our advertisers, that you state that the advertisement was seen in these pages. This is fair notice to our advertisers that you are a subscriber to the American Poultry World; that their business announcement, as published in these columns, is covered by our guarantee AND THAT, THEREFORE, THEY ARE COUNTED ON TO TREAT YOU FAIRLY AS A CUSTOMER.

regards Mr. Jackson. Undoubtedly Mr. Jackson knows things and believes things that we know little or nothing about. Such being the case, it would be impossible for us to believe as he does. We simply haven't the information on which to base his belief or conclusions.

There are numerous features in connection with experiment station work with which we are not familiar and on which we have formed no opinion. The same latitude that was extended to Mr. Robinson—and that he will continue to enjoy in these pages—is to be extended to Mr. Jackson in making his reply to Mr. Robinson. This same course is open to any other reputable authority who may feel called on to defend the facts, as he understands

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Barred Rocks . . .	\$5.00	\$10.00	\$18.00
White Rocks . . .	5.50	11.00	20.00
R. I. Reds . . .	5.00	10.00	18.00
S. C. White Leghorns	4.25	8.50	15.00
White Wyandottes .	6.00	12.00	22.00

Write for prices before February 20th—reduced prices begin after May 5th.

Get your advance order in now—no money down—just say how many, what breed and when you want them. Each customer sent, before shipment, free treatise on how to care for and feed chicks, from day-old to maturity.

GENTLEMEN'S FANCY DAY-OLD CHICKS

Limited number of fancy-feathered chicks in Barred and White Rocks for \$30 per 100, and White Leghorns for \$25 per 100.

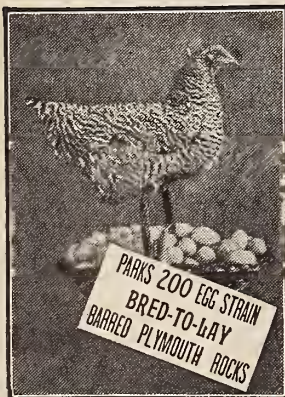
BREEDERS

Few choice Barred and White Rocks, Gentlemen's Fancy, males and females, from \$3 to \$15. Few Exhibition males and females, from \$10 up. Send for free Catalog.

We guarantee safe delivery

PITTSFIELD POULTRY FARMS

276 Main St., Holliston, Mass.



Sure It Was a Parks' Strain Pen That Won First Honors In The Last Missouri Laying Contest By Laying 1185 Eggs

The Best Pen Record Ever Made in any of their Five Contests, Composed of 2600 birds, Over 45 varieties, and the Cream of the best laying flocks of Thirty-seven States and EIGHT FOREIGN COUNTRIES.

'Tis true some of the other breeds gave them a hustle in the summer months when eggs were selling at 25c a dozen, but our strain gets them when the cold weather comes and eggs are 50c a doz., and you're not finding many contest pens of five coming near our strain's January record of 134 eggs.

Our two hens Busy and Laora's combined records of 567 eggs for one year show what is possible of our strain. While Mr. Parsons' (El Paso, Tex.) report of an average of 208 eggs from 126 hens shows the high average practical and profitable laying of our strain.

Such Official Laying Contest Reports, the records they have made at home, and the hundreds of favorable reports from customers, show that it pays to breed for a purpose, and that

Park's Bred-To-Lay And-Do-Lay Barred Plymouth Rocks Lead. The Others Follow

COCKERELS of the above breeding, that transmit the lay, \$3 up.

EGG AND CHICK Orders booked for immediate or future delivery.

Cockerel and Foundation stock circular sent on request. Large 40 page catalog, a dime. Egg and Chick circular, Free.

J. W. PARKS,

Box W,

ALTOONA, PA.

them, and to present arguments conforming to his personal belief.

If an editor were to take the position that he ought to limit Mr. Smith, then as a matter of course he would be in duty bound to restrict Mr. Jones or Mr. Brown. That would result in a "one-man paper" and our frank view is that there is no one man who is big enough, wise enough or broad-minded enough to do the thinking for all the readers of a periodical or to reach all the conclusions to be presented by all contributors to its columns.

If Mr. Robinson has trodden on the toes of our friends in the agricultural colleges and on experiment stations, he has done it openly and above board, under his own goodly name, and certainly there should be plenty of men in that field of effort who are capable of replying to him and setting him right, also our readers. That privilege is freely extended to them in these pages and we were glad when Mr. Jackson told us that he felt that Mr. Robinson's article should be replied to, that some of the facts should be supplemented and some of the conclusions disputed. Mr. Jackson will have that privilege in A. P. W., and not a word that he writes will be blue-penciled. Later on when Mr. Robinson "comes back" at Mr. Jackson, he will be permitted to say in reply anything that a man of his cultured instincts would be willing to say in the public print, under his own name.

A. P. W. SUBSCRIBERS WARNED

Under date October 19th last, before the new business manager of A. P. W. took charge, O. R. Remington, Box 1527, Washington, D. C., sent in copy for a 2-inch double column advertisement wherein he offered March and April pullets for sale at ridiculously low prices, their alleged quality duly considered. This ad was published in our November issue, page 36—a fact which we regret.

Information has come to hand, indicating that Mr. Remington is not reliable; therefore A. P. W. readers are warned hereby against sending orders to him for standard-bred fowl, any variety.

December 7th, the editor of A. P. W. received a letter from E. E. Richards, president of the American Poultry Association, bearing date December 4th, which caused us to write Mr. Remington as follows:

December 12, 1916.
"Under date October 19th, you sent to the American Poultry World an advertising contract for 36 inches, also copy for a two-inch double-column advertisement to be published in our November issue. This advertisement was published by us in November number and was to have been repeated in our December number, but under date December 4 we received a letter from E. E. Richards, president of the American Poultry Association, wherein he made the following statement:

"I note in the American Poultry World, November issue, just at hand,

you are carrying an advertisement for O. R. Remington of Washington, D. C. If you have not already learned, you will, this party has been arrested for fraudulent use of the mail."

"Shall expect you to write us promptly in regard to this matter, giving us the facts. This report from Mr. Richards was a disappointment to us and we are in hopes it will develop that he was misinformed.

"Awaiting an early and frank reply, in our mutual interests, we beg to remain."

To this date, December 26th, we have heard nothing from Mr. Remington, although two weeks have elapsed, and we regard our letter to him as being one of importance, especially to Mr. Remington.

In the December issue of Poultry Record, Carey, Ohio, Chas. E. Cram, editor, the following short article was published:

"O. R. Remington, Box 1527, Washington, D. C., was taken into custody by the post-office authorities at Washington on Nov. 9th, and charged with having used the U. S. mails for fraudulent purposes.

"He advertised extensively in poultry and agricultural journals of the country, offering to sell '500 S. C. White Leghorn and several hundred Barred Rock and White Wyandotte pullets, fully matured and ready to lay,' when in fact he had no stock of any kind."

"It is believed he operated the same scheme in October and November, 1915, from Cincinnati, Ohio, using the name of H. H. Audley, but that his real name is Harold Moore, a resident of Oneida County, N. Y."

"Associated with him here was a young man, about eighteen years of age, who first gave his name as Ronald G. Packard, subsequently stating that his real name was Gordon George Dorn, of Rome, N. Y."

"Whether it was the plan of these men to buy birds to fill orders they might receive as is practiced by some in a semi-legitimate way, or whether they intended to secure money for birds and change their residence without filling the orders, we are not informed. Anyway, the post-office authorities considered that there were sufficient grounds to interfere with their plans."

A. P. W. is not in a position to vouch for the statements made in the Poultry Record, but, other facts considered, we are willing to "take a chance" to the extent of republishing what Editor Cram has said. If we had read Mr. Remington's advertisement, as same was published in November A. P. W., we would not have given it a place in these pages. For example, he says: "100 White Wyandotte yearling hens at \$1.25 each in any quantity. These are large and massive in size, have snow-white plumage, beautiful type and are wonderful in value. * * * All stock as represented and we guarantee absolute satisfaction. All stock shipped on approval."

"Large and massive" White Wyandotte hens—yearling hens—will now bring \$1.25 each as market fowl in the National capitol, or in any other large eastern city; therefore, it would be a waste of money, if these birds are as represented, to buy advertising space in A. P. W., or elsewhere, in order to sell "snow white", "beautiful type" White Wyandotte yearling hens that are "wonderful in value."

BUXTON'S PARTRIDGE ROCKS

Get Prices on Extra Choice Cockerels.

G. S. Buxton, Box W, Bellows Falls, Vt.

MERIHEW'S BUFF LEGHORNS

Win best display silver cup, color and shape specials N. Y. State Fair, 1916. Choice utility and exhibition stock for sale, good hens \$1.50 each. Males \$2.00 and up. Satisfaction guaranteed.

L. E. MERIHEW, MARATHON, N. Y.

S. C. White Leghorns

D. W. Young and Tom Barron

We are booking orders for Baby Chicks and Hatching Eggs from strong, vigorous, large, range raised birds that have been selected and bred from these strains for years and are holding their own with the best in the country not only in looks but in results they are producing in the hands of our customers. We have a few fine large, vigorous, March and April hatched breeding cockerels for sale. Write for prices and pictures of these birds.

PETTIT BROS., WILSON, N. Y.

A World's Record

in S. C. BUFF LEGHORNS

was made when

HEASLEY'S EGG BASKET STRAIN

the winners in National Egg contests as well as at Panama Pacific Exposition, and for two seasons at Chicago Coliseum, again made the sensational and decisive victory of

Three Times as Many Points as all 13

Nationally Recognized Exhibitors

Combined

in largest class ever shown in this National Show. This wonderful display of quality coming on top of the highest egg record Buff Leghorn in Official Egg Contests for the third successive year, with 40 per cent. contest entry crossing the 200 egg mark, proves officially these Egg-Bred Winners supreme in the breed and one of the greatest money makers in poultry. Hundreds of breeders from our Pedigreed Egg Record Stock bred from the blood of hens making records of 204-211-215-219-225-230-252-257-267 and 274,

Egg-Bred Cockerels

For 30 days 300 classy, sound colored cockerels as low as \$2.00 each and \$5.00 \$7.50, \$10.00 and \$15.00. A winner is waiting for you and we can start you with a trio or pen full of egg breeding that will bring the profit. My soow birds lay—what do yours do?

Bred For Eggs, But Fit to Show

Dr. L. E. HEASLEY,

HOLLAND, MICH.

Longfield Rose Comb Reds Win at the Great Chicago Coliseum Show, December, 1916;

1-2 Hen, 1 Kcl., 1-4 Pullet, 1-4 Old Pen, 1-3 Young Pen, 2-3 Cock, Silver Cup for Best Display and Silver Cup for Best Colored Female. This great winning in a class of 268 R. C. Reds exhibited by 31 breeders from North, South, East and West is but another link in their chain of victories and again proves their superiority. Longfield Reds have been consistent winners at this, probably the greatest Red show of the World. In the past 6 years winning 6 times as many first premiums as any competitor and Best Display the past 4 years. Longfield Reds not only win one year but come back and win year after year in the strongest competition. BLOOD WILL TELL. We have the best lot of stock to offer that we ever had. On approval always: Write for sale list giving complete winnings.

LONGFIELD POULTRY FARM,

Box 339,

BLUFFTON, IND.

IDEALIZE YOUR FLOCK

Wellcome's Famous 'Ideal' Trap Nest

shows which hen laid the egg, highest efficiency, least attention lowest net cost. Write now for prices and proof.

F. O. Wellcome, Box W, Yarmouth, Maine

Candidly, we apologize to our subscribers for letting this advertisement get into our columns, even during the period of a change in business management and office force. We shall do our best to see that such a mistake is not made again. Meantime, any of our subscribers who send orders to O. R. Remington, Washington, D. C., after reading this editorial, will be doing so at their own risk.

A TRULY WONDERFUL EGG RECORD MADE BY A PEN OF J. W. PARKS' STRAIN OF BARRED PLYMOUTH ROCKS

Subscribers to this journal who read on page 66 of our December issue the advertisement of J. W. Parks, Box W, Altoona, Pa., no doubt were interested in Mr. Parks' report that at the time he wrote this advertisement he had just received word that a pen of Barred Rocks, representing his bred-in-line, prolific-egg strain, had won first honors at the 1916 Mountain Grove, Missouri, International Egg Laying Contest, which closed November 30th.

Immediately on reading this notice we wrote Mr. Parks and asked for particulars. We received a prompt reply from him, enclosing three letters in original form, as written to him by William Lloyd, R. R. 13, Kirkwood, Mo., the man who entered the pen of Mr. Parks' bred-to-lay strain of Barred Rocks and to whom first honors were awarded.

December 31st, 1915, Mrs. Wm. Lloyd wrote Mr. Parks as follows:

"Kirkwood, Mo., Dec. 31st, 1915.
"Mr. J. W. Parks,
"Dear Sir:—
"It may interest you to know that pen No. 69 in the Missouri National Egg Laying Contest, are pullets raised from stock hatched from eggs I bought of you in March and April, 1914. (The March eggs hatched four chicks, and the April eggs hatched nine chicks, five of them being pullets). They are

leading the Barred Rock section in the November report by 30 eggs.

"Please send me one of your latest catalogues, as I intend to get a few eggs from you the coming season.

"With best wishes,

"MRS. WM. LLOYD."

A year ago the last day of this month, Wm. Lloyd, Kirkwood, Mo., husband of Mrs. Lloyd, the author of the foregoing letter, ordered additional hatching eggs from Mr. Parks' bred-to-lay strain as follows:

"Kirkwood, Mo., Jan. 31st, 1916.

"Mr. J. W. Parks,

"Dear Sir:—

"I am enclosing you \$15.00 for some good eggs. Not knowing exactly what I want, I will leave it to you. Send me 10 eggs or 15 at \$1.00 per egg, or 10 eggs at \$1.00 per egg and a setting at \$5.00. You know my pen at the egg laying contest are leading the Barred Rocks, but I believe I could do better next year by getting some good eggs from you. You will know better what to send me than I can know from here. Please advise when you could send them. Would like to get the chicks out about the 10th of March, 1916.

"With best wishes, I remain

"Yours truly,

"WILLIAM LLOYD."

Mr. Parks uses trap nests and also pedigrees his high-egg-record birds, keeping this up year after year, despite the extra expense. Truly there is no other way to make sure which hens lay the most eggs in a given length of time and to establish blood lines based on prolific egg yield. Such being the case, Mr. Parks wrote Mr. Lloyd month before last, when he learned that a pen consisting of pullets of his strain was in a fair way to win highest honors at the Missouri National or International Egg-Laying Contest, and arranged to get sittings from this pen after Mr. Lloyd had mated them for breeding purposes. Following is Mr. Lloyd's reply, of date November 14th, 1916, to Mr. Parks' inquiry:

"Kirkwood, Mo., Nov. 14th, 1916.

"Mr. J. W. Parks,

"Dear Sir:—

"Your kind favor to hand. Will certainly be pleased to send you two settings from the contest pen and I will go you one better. I will send you three settings and have my wife mark them for you so you can pedigree the chicks. I offered to buy the male bird that the director of the Station had in the pen last

season. I told them the price was no object, but they wanted him for the coming season.

"I will be glad to get something nice from you in a male bird to mate with the pen. I am getting congratulations from all over the country about the record they made. I believe they made a better record than the winners at Storrs, Connecticut. The average of my pen was 237 and the average up there was 226. I won \$65.00 in cash, also cup and nineteen ribbons.

"My wife joins me in congratulating you in the showing the pen made, as it was your efforts in the past years that enabled us to make good, and we certainly feel grateful toward you. Would like your advice on the enclosed letter. With best wishes, I remain

"Yours truly,

"WM. LLOYD."

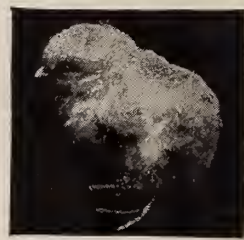
An average of 237 eggs in three hundred and sixty-five consecutive days from five hens is indeed a proud record. It would be interesting to know how many eggs were laid during the test year by the hen in this flock of five that did best. No doubt the records show, but we do not have this information close at hand.

Mr. Parks must feel greatly pleased at this official endorsement, so to speak, of the work he has been doing the last twelve to fifteen years. It has taken hard work, intellect and persistence to accomplish this result, but now it will mean prosperity for the man who stuck to it and won out.

No doubt, Mr. Parks, for the season now close at hand, will find a ready market for his surplus stock and for all the eggs for hatching he can spare from pedigreed layers. His current mating list will be sent to A. P. W. subscribers free on request, showing views of his poultry plant, pictures of specimen layers, also giving prices, etc. When writing Mr. Parks it will be a favor to A. P. W. if our subscribers will mention that they saw his business announcement (or this article) in these pages.

BUSINESS-LIKE METHODS IN SALE OF FOWLS, HATCHING EGGS AND DAY-OLD CHICKS

Having just finished looking through the 1917 catalogue and mating list of The Ferris Leghorn Farm, Geo. B. Ferris,



How Much Should I Pay For Chicks?

This question does not, ordinarily, receive enough consideration from poultrymen. Remember, the cheapest are often the most expensive in the end.

Wilburtha Farms winters COLUMBIAN PLYMOUTH ROCKS AND WYANDOTTES,

tween three and four thousand females for our hatching egg and baby chick trade. These birds are all fine specimens of the breed and are maintained in a high state of health and efficiency. They are daily observed by men who have made a life-long study of poultry. All birds are handled in-

dividually many times a year, and all of a faulty structure, improper development or that show signs of debility are sent to the butcher. To operate a farm in this way costs money, and chicks from such a flock cost more, but are well worth the slight difference in price, if you want to improve your flock. Send now for our Chick and Hatching Egg Circular that gives prices and tells the whole story.

C. J. FISK, Owner
M. L. CHAPMAN, Gen. Mgr.
D. G. KEYLER, Supt.

Wilburtha
POULTRY FARMS

32 River Road,
TRENTON JUNCTION,
NEW JERSEY

proprietor, Grand Rapids, Mich., we wish to tell our readers briefly about this booklet and to congratulate Mr. Ferris, not merely on the authorship, but mainly on the business judgment and common sense used in its make-up and contents.

In particular, Mr. Ferris should be complimented on his method of selling standard-bred fowl. Perhaps other poultrymen are using the same advanced ideas, but if any one of them is using as many of these ideas in combination, we do not know of it. First, Mr. Ferris ships all adult fowls "on approval." Says he in this 1917 catalogue:

"You have three days in which to decide whether you want the birds. If they are not fully satisfactory—better than the same amount of money will buy elsewhere—send them back within three days at our expense. Your money will be refunded by return mail. If only part of the birds you order are unsatisfactory, you can keep those that are satisfactory and return the others."

Going a step further, Mr. Ferris insures the life of these birds for a period of thirty days. He says in this connection:

"Any birds that die within this period (30 days) will be replaced free of charge; if any of them get out of condition, or are unsatisfactory for any reason whatever, all you have to do is to return them by prepaid express—we will send others at once that will please you."

In order to protect himself in carrying out this insurance feature, Mr. Ferris' catalogue provides as follows:

"If any birds die within thirty days, remove the leg band WITHOUT BREAKING THE SEAL (to do this it will be necessary to cut the leg in two, or you can MAIL US THE LEG WITH THE BAND UPON IT). We will replace the bird with another of equal quality in every case, if the leg band has not been tampered with."

Going still further, with a view to pleasing and benefiting his customers, Mr. Ferris guarantees that the birds he sells and ships will be good breeders. On this point his 1917 catalogue says:

"WE GUARANTEE THEM TO BE GOOD BREEDERS. We replace free any

birds that develop defects as breeders within six months from the time you buy them. If a pullet or hen does not lay hatchable, good shaped eggs, or if a male bird does not fertilize the eggs properly, we will send you others in place of them. No other breeder, so far as we are aware, will do this."

Going still further, Mr. Ferris offers to ship adult fowls C. O. D. for personal examination, provided the prospective buyer will forward enough money to cover the express charges. Backing up this offer, Mr. Ferris' latest catalogue says:

"WE SHIP C. O. D. If you want to see the birds before paying for them, send us enough money to cover express charges one way and we will ship them C. O. D. with privilege of examination. If you live within a thousand miles of Grand Rapids, \$1.00 will cover the express charges on a single bird, \$2.00 on a trio or pen of five, and \$3.00 on ten or twelve birds. To Pacific coast points the charges will be about double the above."

In the sale of eggs for hatching, The Ferris Leghorn Farm offers the following guarantee:

"We guarantee eggs to be 80 per cent. fertile. If more than 20 eggs out of 100 are infertile (or more than one in five on smaller orders) we replace ALL the infertiles free of charge. The eggs will usually run 90 per cent. fertile if they have not been chilled, overheated or roughly handled by the express company. Test the eggs after they have been under incubation NOT MORE THAN ONE WEEK and let us know the result. We will replace the infertile eggs at once, or if you would rather have stock or chicks instead of eggs, we will credit you with the value of the infertile eggs and you can apply this on stock or chicks any time in the future."

Next comes the sale of day-old chicks. Here again we find the interests of the buyer duly considered. Mr. Ferris makes the statement that "chicks can be shipped 1,000 miles with safety, and in some instances where there is fast train service, as high as 1,500 miles." Then he offers his customers the following guarantee:

"We guarantee safe arrival at any express office within 1,000 miles from Grand Rapids—a radius that includes two-thirds of the United States and Canada. To secure the benefit of this guarantee the CHICKS MUST BE EXAMINED IN THE PRESENCE OF THE EXPRESS AGENT. If any are dead, have him STATE ON THE EXPRESS RECEIPT THE NUMBER DEAD OR IN BAD CONDITION. Send us the express receipt and we will replace all that were dead or

dying, and if you would rather try stock or eggs next time, we will credit you with the amount you paid for these chicks."

The foregoing would seem to be a risky guarantee on the part of The Ferris Leghorn Farm, but the proprietor states in his catalogue immediately following the above guarantee that their "loss in shipping has averaged less than 2 per cent. during the past several years." Mr. Ferris further states that their customers "have had good success raising the chicks, which proves that the stock is hardy and vigorous and that the chicks have not been injured by shipping."

The Ferris Leghorn Farm is not a cheap-John institution. On this point Mr. Ferris says:

"With those hatcheries whose chief argument for business is cheapness, we do not try to compete. Quality with us is the first consideration, and all the chicks we send out are big, strong, vigorous fellows, properly hatched and properly shipped. The eggs from which we hatch chicks are the same as we sell for hatching—carefully selected for large size, smooth shells, regular shape and good color."

The Ferris Leghorn Farm also sells 8-weeks-old chicks and these shipments likewise are covered by a strong guarantee.

Trap nests are used extensively on The Ferris Leghorn Farm and as a rule, the fowls, eggs for hatching and day-old chicks to be sold are priced on the basis of egg production, as determined by trap-nest proof. For example, "foundation stock from trap-nested layers with records of 230 to 264 eggs" are sold as follows: cockerels and cock birds (single) at \$10, \$15 and \$20 each. In lots of 10 or more, or with 25 or more females, these same cockerels and cock birds are sold at \$9.00, \$13.50 and \$18.00 each. From this "foundation stock" pullets and yearling hens (each) are sold at \$5.00, \$7.50 and \$10.00. Then follows a table giving the prices of 2, 4, 8, 12, 25, 50 and 100 females of the three selections.

Eggs and chicks also are sold from foundation stock based on trap-nest records of 230 to 264 eggs in 365 consecutive days. As proof that profitable farms are charged by The Ferris Leghorn Farm,

HOMESTEAD SILVER CAMPINES

The VIGOROUS STRAIN SILVER CAMPINES are noted for their heavy laying qualities. Our birds are bred ONLY from well-established, selected blood lines; no bird leaves the Homestead Campine Farms that is not a creature of quality.



The beautiful VIGOROUS STRAIN SILVER CAMPINES are bred for productivity as well as for the Show Room.

At the 1916 PALACE SHOW, New York City, we won 1, 3, 5 cocks; 1, 2, 3, 4 cockerels; 1, 3, 4 hens; 1, 2, 4 pullets; 1, 2 pens; 1st display; all specials offered by American Campine Club, including Silver Challenge Cup.

The New York State Fair, Syracuse, N. Y., 1916, the first large show of the season, we won 1st and 2nd cock, 1st and 2nd cockerel, 2nd and 5th hen, 2nd, 3rd and 4th pullet, 1st and 2nd pen, 1st display, in very strong competition, in a class of 119 birds.

At Hanover, Pa., the same week, we won 1st cock, 1st hen, 3rd cockerel 3rd pullet, showing 4 birds.

At Brockton, Mass., 1916, we won 1st and 3rd cock, 1st and 2nd hen, 1st and 2nd cockerel, 1st and 2nd pullet, 1st pen, entering two in a class, and one pen, color and shape special on male, color and shape special on female, Gold special for best six birds in class.

We shall be pleased to send our beautiful new 1916 catalogue to all who are interested. Price 15 cents.

HOMESTEAD CAMPINE FARMS,

Box W,

WAYLAND, MASS.

HOMESTEAD—The Word That DOMINATES In The World Of Campines

here are the regular prices for eggs for hatching: 15 eggs, \$5.00; 30 eggs, \$9.00; 50 eggs, \$13.00; 100 eggs, \$25.00; 500 eggs, \$110; 1,000 eggs, \$200.

Next follow prices on "foundation stock from trap-nested layers with records from 200 to 230 eggs." These prices range lower, both as to breeding stock and day-old chicks, also as to eggs for hatching.

Farther back in the catalogue, Mr. Ferris offers "utility stock for laying and breeding." Here single birds are sold at \$3.00, \$4.00 and \$5.00 each. In lots of 100, females of this utility quality are quoted at \$150, \$175 and \$200.

Referring to the important matter, "why we use trap-nests," the 1917 edition of The Ferris Leghorn Farm has this to say:

"We receive many requests to select birds according to the Hogan or other systems that depend on the space between the pelvic bones, etc., to determine laying qualities. To the best of our knowledge these points have no effect on laying qualities. Like the number of points on a bird's comb, or the color of her earlobes, the distance between the pelvic bones can be increased by breeding, but this will have no effect on laying qualities. "There is only one way to determine which hens are the best layers and that is by the use of the trapnest. This is the only system we use, and we cannot fill orders that call for a wide space between the pelvic bones and other details of that nature, because we do not breed for those points. As 'The Poultry Herald' says: 'In our opinion, there is no question as to which is the surest method of ascertaining how many eggs a hen lays, the trapnest or any system, even that of Mr. Hogan. At best, any system is but an estimate, and in most cases it is little better than a guess. The trapnest, however, is exact, if properly operated.'"

Still further back in the book, Mr. Ferris quotes prices on "exhibition stock for small shows", also prices on "exhibition stock for large shows". He also sells eggs for hatching and day-old chicks from exhibition stock. On page 19 of the catalogue are "recent winnings" made by Ferris Leghorns, including winnings made, 1913 to 1916, inclusive, by customers of The Ferris Farm in various sections of the country.

A copy of Mr. Ferris' 1917 catalogue and mating list will be mailed free on request to any reader of A. P. W. who will ask for it. It will prove a help to this journal if you will say to Mr. Ferris, when writing for his latest catalogue, that you read about his poultry plant and methods of doing business in American Poultry World. The address is: Ferris Leghorn Farm, Geo. B. Ferris, Prop., 908 Union Ave., Grand Rapids, Mich.

SAME BLOOD FOR TWENTY YEARS —UTILITY AND BEAUTY COMBINED

Lovers and admirers of the Rhode Island Reds who are in the market for reliable line-bred stock of either the Single or Rose Comb variety, will do well to correspond with F. W. C. Almy, proprietor of Red Feather Farm, Box 67, Tiverton Four Corners, Rhode Island. In a recent letter, Mr. Almy states that he has bred his line of "Reds" for over twenty years. Just lately Red Feather Farm won 30 prizes, including regulars and specials, on twenty entries at the

Providence, R. I., show, including 2, 3, 4 cocks; 1, 2, 3 hens; 1, 2, 5 cockerels; 1, 3, 4 pullets and first pen on Rose Comb Reds, also shape special on cockerel and shape and color special on pullet. In Single Comb Reds at this "quality show" of Rhode Island, the home of the R. I. Reds, Mr. Almy won 2 pen; 2, 4 hens; 4 cockerel and first display. This is the ninth time in succession that Red Feather Farm has won best display at the Providence Show. Writing of this winning, December 13th, Mr. Almy said:

"We hear a good deal about utility these days and it is often claimed that hundreds of fancy poultry are sacrificing size and stamina for feathers. I have had my line of Reds for over twenty years, but a look at my winning string at Providence (or any

other show for that matter) will disprove this claim in that case, at least. My first prize Rose Comb cockerel at Providence, is a son of first Boston cockerel, 1916, and a direct descendant of the original "Sensation", and although immature and not at all up to best condition or full size, he weighed eight pounds and landed first. Another winner (cockerel) weighed about nine pounds and another winning cockerel weighed between ten and eleven pounds at seven and a half months of age. Another winner in Single Comb cockerels weighed nine pounds. The females in my Rose Comb pens averaged six pounds each and the male over eight pounds, while several cocks in both Rose and Single Combs weighed from eleven to twelve pounds. Anyone looking for size, stamina and quality, the result of twenty years of careful breeding, can find it here in my yards. Mating list describing some of the finest pens in America will be ready about January 15th."

Editor of A. P. W., for a long time has advocated the combination of utility

Smith's White Leghorns

Win Everywhere! Seven cockerels and two pens which I have sent to as many customers in all parts of the country within the last few days from the time this advertisement was written have not only won first in their class, but won championships for the best birds in the entire show. And they are still winning! **Ask My Customers!** Ten firsts out of a possible seventeen at the Greater Chicago Show during the last three years stamps my strain as one of real quality! Catalog telling all about my Leghorns sent free. Write today! Eugene Smith, 315 Galena Blvd., Aurora, Ill.

BUFF ROCKS

FIRST COCKEREL New York Palace Show 1916.

Winning Shape and Color Specials, also Second Prize Cock Bird. Won National Cup of America last year, Champion male and Champion female at World's Fair San Francisco, First at Madison Square Garden New York. Consistent winners at

big National Shows for TEN YEARS. Catalogue Free.

C. R. Baker, Box W, Abilene, Kansas

REGALS ARE GREAT LAYERS

One of the most important requisites in building up a strain of layers is strong constitutional vigor. This is found in Regal-Dorcas White Wyandottes, to a very marked degree. No matter whether you live in the North or the South, they will always come up to your most sanguine expectations as the following letters show;



Calgary, Alta., Jan. 18, 1916.

Dear Sir:--I might say that the pen of birds I got from you a year ago turned out fine. They laid well and the pullets from them are laying fine. I am getting a 50 per cent egg yield from them and the weather has been ranging from 2 degrees to 40 degrees below zero. Still they keep right on. Thanking you for past favors,

Yours truly, F. S. Brownie.

Sanford, Fla.

Dear Sir:--My birds are coming fine, getting eggs, eggs, from them every day. I am delighted with the Regal strain, and am planning to make a specialty farm with the Regals as the birds. Am glad to hear of your victories at the New York State Fair and Hagerstown. Thanking you for past favors, I remain

Yours sincerely, F. P. Strong.

If you are not getting good results in fertility or egg production, if your birds are weak in constitution and not as vigorous as you would like, why not make a new start with the Regal White Wyandottes? They have been tried and

not been found wanting Do not delay but reserve your birds now while I have plenty to select from.

4000---Cocks, Hens, Cockerels and Pullets For Sale---4000

Special value pens (male and 4 females) \$25, \$35 and \$50. Fine exhibition cockerels \$10, \$15 and \$25 each. Exhibition pullets \$5, \$8, \$10, \$15 and \$20 each. Dorcas cockerels from high record hens \$8 and up. Dorcas pullets \$4 and \$5, stay white utility cockerels \$3 and \$5 each.

FREE--Send for twenty-page catalogue, giving description of stock I am offering for sale. Send one dime for the Regal White Wyandotte Book, telling all about White Wyandottes.

JOHN S. MARTIN, Box W, PORT DOVER, CANADA

and beauty in the breeding of standard fowl. The Standard of Perfection describes and illustrates the beauty points—and these points, as to symmetry of form, purity of color and lustre of plumage can only be secured on the basis of health and vigor. Given health and vigor, the other utility points “follow suit”, so to speak—namely, quick maturity and prolific egg yield, though both of these factors must be looked after with intelligence and be increased by wise selection.

“Utility and beauty combined” should be the slogan, the watchword of the practical, common-sense fancier-breeder of standard fowl who is in the business for profit. The useful must be preserved and increased in standard flocks and in individual birds that are bred as closely as can be to the requirements of the Standard of Perfection—to the ideals that men conceived and then developed into existence by practical breeding methods.

Men like F. W. C. Almy are on the right track. They want their birds to be beautiful—that is, able to win prizes when judged by the Standard of Perfection, and they also want them to be **USEFUL**—that is, of standard size and weight, of strong constitutional vigor, also quick maturing as chicks and prolific layers as pullets and hens. This combination is not only practical, but is natural—a fact that has been proved in thousands of cases by fancier-breeders. This natural alliance has been demonstrated times without number, to the satisfaction of all who have properly tested the matter.

We still have poultrymen with notions to advance, also poultry writers of the same class; but the combining of “utility and beauty” is an easy achievement and the poultryman who ignores this fact in his breeding operations is disregarding or wasting **THE BEST OPPORTUNITY AT HAND** for profitable work in the poultry field.

COULD NOT DO IT

During last month an advertising agency sent A. P. W. the advertisement of a well-known poultry huckster located in the Northwest, with instructions to insert it in these pages at current rates for three months.

We felt obliged to decline to accept and publish that advertisement, much as we would like to favor the agency that sent it to us.

This poultry journal will not knowingly publish the business announcement of any out-and-out poultry huckster—and the same rule will be made to apply to the “skins” who are injuring the standard-bred branch of the industry by advertising prize-winning quality in the form of day-old-chicks and who then fill orders with chicks hatched from eggs laid by hit-and-miss farm flocks.

It is the lying, the deliberate misrepresentation that is wrong, that defrauds and that works far-reaching harm to the standard-bred industry. If so-called poultrymen wish to sell hatching eggs or day-

OWEN FARMS

**BUFF ORPINGTONS, WHITE ORPINGTONS,
WHITE PLYMOUTH ROCKS,
WHITE WYANDOTTES, S. C. RHODE ISLAND REDS,**

**Have Been The Foundation Blood For The Other Good
Flocks All Over America. Very Few Really Good
Flocks Exist That Are Not Wholly Or Partly
Owen Farms Blood Lines.**

Owen Farms S. C. White Leghorns

Have been carefully line-bred for eight years. Were first exhibited at the December New York Show in 1914. Have been shown since at Boston twice and at the New York State Fair, Syracuse. Their splendid records proved their quality and they are conceded to be one of the best flocks of all time.

393 Owen Farms birds have won the blue at Madison Square Garden, New York, the premier show of all America and the show every poultryman dreams of winning.

Boston, the Palace Show (New York), Chicago Coliseum, Pittsburgh, Syracuse, Atlanta, Augusta, Memphis, Nashville, Cleveland and many other national exhibitions have been won so often by Owen Farms birds that the records dwarf by comparison those made by any other breeder of my varieties.

My large **ILLUSTRATED CATALOGUE** gives in interesting form the story of the development of my magnificent flock and their winnings. My **MATING LIST** carefully describes my line-bred pens each year. My new **TESTIMONIAL CIRCULAR** will give you convincing proof of the success of Owen Farms Stock and Eggs in customers' hands in nearly every state in the Union and every Province in Canada. Have you seen and read them? If not **YOU OWE IT TO YOURSELF** to do so before buying stock or eggs for hatching. My terms are fair and generous. My prices for dependable stock are the lowest. The value of my blood lines to my customers has proved unequalled. All this printed matter is yours for the asking.

You Will Find Here

**BIRDS TO WIN YOUR SHOW
BIRDS TO BREED WINNERS FOR YOU
BIRDS TO PRODUCE UNEQUALLED UTILITY STOCK
EGGS TO HATCH WINNERS FOR YOU
EGGS TO HATCH BEAUTIFUL THROUGHbred UTILITY STOCK**

Many thousands Owen Farms customers have become my friends and boosters through correspondence with me and the **ABSOLUTE SATISFACTION** they have obtained from Stock or Eggs purchased here. This advertisement is not needed to bring my old customers back to me whenever they are in need. It is an invitation to you, who have never experienced Owen Farms satisfaction, to write me frankly and fully. See how nearly we can meet on the plane of mutual confidence. If you can visit the wonderful Owen Farms, do so. My latch string is out. You will regret neither the time nor expense. If you cannot come, **WRITE**.

TWO TYPICAL RECENT OWEN FARMS WINNINGS

NEW YORK STATE FAIR, SYRACUSE, SEPTEMBER, 1916
My White Rocks, White Leghorns, Buff Orpingtons and White Orpingtons Won 12 Out of a Possible 20 First Prizes, Including First Pen in Each Variety.

NEW YORK PALACE SHOW, DECEMBER, 1916
My White Orpingtons (only variety shown) Won 4 Firsts, 5 Seconds and All Specials.

N. B. Have sold S. C. Reds and White Wyandottes for all leading shows to date; so have not shown these varieties this year.

My Birds Live, Grow, Lay and Pay,

Address:

OWEN FARMS

115 William Street,

Vineyard Haven, Mass.

MAURICE F. DELANO, Proprietor. FRANK H. DAVEY, Superintendent.

old chicks from the average slap-bang farm flock, or from the yards of novices, all well and good, PROVIDED they tell the truth about the quality of the eggs or chicks to be supplied; but when they claim superior or prize-winning values for such stock, they are obtaining money under false pretenses and should be headed off, even if they have to be denied the use of the mails—or are put in jail.

The innocent, misinformed customers of these lying hucksters take the bait, expecting to get shapely, uniformly-colored or well-marked fowl for exhibition or breeding purposes—birds like the pictures, or similar to those seen at some poultry show—but when the descendants of cull and scrub stock grow up, they find that they have been “stung”, the result being that in many, many cases these misled and defrauded purchasers quit the poultry field in disgust, never to return.

Such results hurt the standard-bred poultry business and hurt it seriously. Every true friend of poultry culture should oppose this sort of thieving work and every self-respecting poultry journal and farm paper ought to refuse to give publicity to the lying business announcements of that class of poultry hucksters.

TRADE IS GOOD AT OWEN FARMS

Recent letters from Maurice F. Delano, well-known proprietor of Owen Farms, 115 Williams Road, Vineyard Haven, Mass., America's greatest standard-bred poultry establishment, are to the effect that trade in adult fowls, both for exhibition and breeding purposes, was good the past fall, also during the forepart of December, and Mr. Delano is of the belief that the season of 1916-1917 will be one of the best he has enjoyed since he became proprietor of this extensive poultry plant.

On Owen Farms they breed Buff and White Orpingtons, White Plymouth Rocks, White Leghorns, Single Comb Rhode Island Reds and S. C. White Leghorns. Probably nowhere else on earth are there as many good fowls of these popular breeds and varieties on any one farm as can be found on Martha's Vineyard Island where the Owen Farms are located.

Better still, in an important sense, subscribers to A. P. W. can place orders with Owen Farms, whether for breeding stock or eggs for hatching, with perfect safety. We do not know of any poultry establishment that has done more to

earn a firm and lasting reputation for square dealing than Owen Farms, both under the management of the founder, William Barry Owen, deceased, and under Mr. Delano, the present proprietor, who for several years was manager under Mr. Owen.

Repeatedly, during the last several years, customers of Owen Farms have written us, of their own accord, expressing their strong approval of the Owen Farms' methods, under the proprietorship of Messrs. Owen and Delano, and of their satisfaction with the birds purchased from them or hatched from Owen Farms' eggs. This high meade of praise is due Mr. Delano, and A. P. W. is glad to extend it publicly.

A few years ago Owen Farms added S. C. White Leghorns to their other popular varieties and Mr. Delano has worked hard and spent money freely to place the Owen Farms' White Leghorns in the front ranks as possessing high exhibition quality. Remarkable progress has been made by him, as has been proved by his success as an exhibitor of this variety at Boston, New York and elsewhere. On our front cover this month is a sample of the style, beauty and vigor represented by Owen Farms' White Leghorn males.

These farms publish a large and splendidly illustrated catalog, a copy of which will be sent free to any reader of the “World” who asks for it. When writing to Owen Farms or to Mr. Delano, please state that you saw this announcement, or saw his advertisement in A. P. W. Send to the address given above.

TWO UNIQUE INVENTIONS OF I. PUTNAM, ELMIRA, N. Y.

During October last the editor of A. P. W. had business in Elmira, N. Y., and called to renew his acquaintance with I. Putnam, inventor of the “Little Putnam Stove”, also of the Putnam brooder heater, two small and low-priced but unique and valuable appliances for down-to-the-minute poultry keepers.

The Little-Putnam Stove, so-called, retailing at \$1.50 each, is for use in keeping water from freezing that is supplied for the fowls in winter time. The little

(Continued on page 145)

Platt's Wonderful RED SUSSEX

The oldest and largest exclusive breeder of this variety in America. Illustrated booklet describing this great fowl. Sent free on request.

F. L. PLATT, SWANTON, OHIO

I Have Bred WHITE WYANDOTTES Sixteen Years

This Year I Have The Best Lot Of Birds I Ever Raised

They are *strong and vigorous* because they are raised on free range. They are absolutely *snow white with fine head points and excellent shape* and are *heavy layers* because they are bred that way.

FOR SALE BOTH OLD AND YOUNG BIRDS THAT CAN WIN IN ANY SHOW.

FRED C. LISK,

Box L,

ROMULUS, N. Y.

Single TOMPKINS' RHODE ISLAND REDS Rose

Made the grand win of 3 firsts, 4 seconds, 5 thirds, and some smaller prizes also Grand Eastern Display Cup of the R. I. Red Club for best display of Reds, at the Grand Central Palace Show, New York, in December. Hundreds of breeding and show birds well developed and ready to ship on a minute's notice. Prices reasonable. Write your wants fully to

HAROLD TOMPKINS,

Box W,

CONCORD MASS.



English Leghorns

“Barrons' 284 Egg Strain”

The Trap-Nest Tells The Truth

WM. B. WHITNEY

Importer—Breeder

MARLBOROUGH, N. Y.



THERMO Poultry Fountain

The most discouraging problem of the poultryman solved.

An automatic sanitary fountain that will not freeze. Requires no lamp or fuel device with their attendant dangers.

Works similar to a thermos bottle.

Double walls and dead air space between.

Write for descriptive booklet of valuable information.

Jobbers, dealers, agents wanted everywhere.

Patented JULY 7th 1914

Arthur E. Pratt, Inc., Albany, N. Y., Sole Agents for U.S.

TRADE MARK AEM THERMOMETERS NEVER VARY

“AEM” Embossed on a Thermometer is Your Guarantee that you are buying a skillfully made and Absolutely Accurate Thermometer back of which is 53 years' experience.

When you buy an Incubator or Brooder, be sure it's equipped with an “AEM” Thermometer, and take no chances on your hatch being chilled or “cooked.”

BUY FROM YOUR DEALER

If he can't supply you with an “AEM”—refuse every other kind and order direct from us.

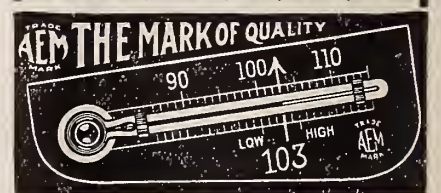
OUR POST-PAID PRICES

“AEM” Thermometer for any incubator -	\$.75
“AEM” Thermometer with patent electric light attachment -	2.50
“AEM” Certified Thermometer -	1.00
“AEM” Incubator Hygrometer -	1.25
“AEM” Brooder or Hoyer Thermometer -	.75
“AEM” Electric Alarm Thermometer -	5.00

Special Prices in Quantities.

We make a thermometer for every purpose. Illustrated booklet and price list **FREE**

A. E. MOELLER, 263 Sumpter St., Brooklyn, N. Y.



GREATER BUFFALO SHOW DECEMBER 11-16, 1916

By A. O. Schilling

(Continued from page 113)

D. P. North, Waverly, N. Y., was one of the successful competitors in the Buff Plymouth Rock classes, winning 2, 3 cockerel; 3, 4 pullet. The second prize cockerel was a bird of very even, rich surface color, nice, neat comb and a beautifully modeled back and saddle. We expect this individual will make a very hard one to beat, with some added time for maturity. Third and fourth prize pullets were a pair of evenly colored specimens of the same type as the cockerel, and they showed earmarks of careful breeding.

All five firsts in the Buff Wyandotte classes were won by Mr. Andrew Riddell, Greenwich, N. Y. The first prize cock, in our opinion, was one of the best Wyandottes we have seen in some time. We admired this specimen very much when he won first prize for shape and color at the Boston Show in January, 1916, but, in our opinion, he has made improvements in his second molt and, no doubt, will be heard from again at some of the winter shows. Mr. Riddell is one of the veteran Wyandotte breeders, and has produced thousands of good ones that have carried off prizes for himself and his customers.

The S. C. Reds formed the largest classes and developed possibly the keenest competition in the show. Among the exhibitors was Mr. E. M. Dutton, Box D, Newfane, N. Y., who has been exhibiting at Buffalo during recent years, and who always wins his share of the prizes. His first prize young S. C. Red pen contained birds that were very even in color, nicely matched and were evidently closely related. Dutton's Reds are line-bred and are producing a large percentage of show birds, in fact both his S. C. and R. C. Red flocks are among the best in the country. We recall seeing specimens shown by him that were remarkable. His R. C. Reds won 1, 5 cock; 1, 4 cockerel; 4, 5 pullet and 2 pen. In our opinion, the third prize cock was by far the best bird in the R. C. classes. He had remarkable type and was winner of the color special.

China Hanchette, Verona, N. Y., who breeds the Crimson Strain of S. C. and R. C. Reds, entered only one young pen and captured 3rd honor. At the recent New York State Fair, he made a good winning on both his S. C. and R. C. Reds, besides the second display. He has single birds, trios and pens for sale at very reasonable prices, if they are ordered quickly.

Mr. C. E. Riley, 973 Broadway, Buffalo, N. Y., was one of the successful competitors in the R. C. classes and exhibited some of his usual high quality stock that have been winning for him at such shows as New York State Fair, Buffalo and Rochester, and has been supplying winners that are carrying off the honors in the keenest competition to be found anywhere. Mr. Riley enjoys a good patronage among R. C. breeders and has produced many successful show birds. His winnings at this show were 3 cock, 5 hen, 2 cockerel, 2 pullet, 1 old pen, 3 young pen. Mr. Riley's first prize old pen was one of the attractions in the Red classes. The birds were very evenly matched, being of nice size and rich, even color.

Around the large hall were exhibited poultry appliances, feeds, etc., including attractive displays by the H. O. Company Mills, Buffalo, N. Y.; Buckeye Incubator Co., 235 Euclid Ave., Springfield, Ohio, and the Cyphers Incubator Co., Dept. 31, Home Office and Factory, Buffalo, N. Y. We noted particularly a new firm, located in a suburban town of Buffalo, that recently has started to supply homes with freshly dressed poultry of all kinds, eggs, honey, butter, home-canned fruits and vegetables in season. This is a "direct from the grower to the consumer" plan and we shall watch its development with interest. If poultry raisers could sell their eggs and market poultry direct to the consumer, it would benefit both parties. Among the other interesting features were the utility

pens and the experimental station exhibited by the state university at Utica, which was in charge of Professor Crum. Interesting lectures were given at stated intervals.

Winings of A. P. W. Advertisers

WHITE PLYMOUTH ROCKS—Urban Farms, Pine Ridge, Buffalo, N. Y., 1, 2, cocks; 1, 5 hens; 1, 4 cockerels; 1 pullet; 1 old pen.

BUFF PLYMOUTH ROCKS—D. P. North, Waverly, N. Y., 2, 3 cockerels; 3, 4 pullets. **BUFF WYANDOTTES**—Andrew Riddell, R. No. 6, Greenwich, N. Y., 1 cock; 1 hen; 1 cockerel; 1 pullet; 1 pen.

S. C. RHODE ISLAND REDS—E. M. Dutton, Box D, Newfane, N. Y., 3 cock; 3 hen; 2 cockerel; 1, 2 young pens. China Hanchette, Verona, N. Y., 3 young pen.

R. C. RHODE ISLAND REDS—E. M. Dutton, 1, 5 cocks; 1, 4 cockerels; 4, 5 pullets; 2 old pen. C. E. Riley, 973 Broadway, Buffalo, N. Y., 3 cock; 5 hen; 2 cockerel; 2 pullet; 1 young pen; 3 old pen.

BLACK LANGSHANS—Urban Farms, 2, 3, 4 cocks; 2, 3 cockerels; 1, 3, 4, 5 pullets; 1 old pen; 1 young pen.

S. C. ANCONAS—Urban Farms, 3, 5 cocks; 4 hen; 3 pullet; 1 old pen; 1 young pen.

NAKED NECKS—Urban Farms, 1 cock; 1 hen; 1, 2 cockerels; 1, 2 pullets; 1 old pen; 1 young pen.

KLONDYKES—Urban Farms, 1 cock; 1, 2 hens; 1 cockerel; 1 pullet; 1 young pen.

BANTAMS, BLACK TAILED JAPANESE—Urban Farms, 1 cock; 1, 2 hens; 1 cockerel; 1 pullet; 1 old pen.

MILLE FLEUR BOOTED—Urban Farms, 3 cock; 2, 4 hens; 1 cockerel; 1, 3 pullets; 1 young pen.

LIGHT MOTTLED BOOTED BELGIANS—Urban Farms, 1 cock; 1 hen.

BLACK SPANGLED BOOTED BELGIANS—Urban Farms, 1 cock; 1, 2 hens; 1 cockerel; 1 pullet.

A. O. V. BANTAMS—Urban Farms, 1 cock; 1 hen.

WHITE BOOTED BANTAMS—Urban Farms, 1 cock; 1 hen; 1 cockerel; 1 pullet.

WHITE LA BREESE—Urban Farms, 1 young pen.

***What do you like best about this issue of A.P.W.? Sit down today and write about it.

S. C. BUFF LEGHORNS
S. C. BLACK LEGHORNS
S. C. SILVER LEGHORNS

Blue Ribbon Winners New York, Chicago and Boston

We are offering choice breeding and exhibition trios in the above varieties from \$5 to \$25 and pens of four females and a male from \$7.50 to \$40. Sales list covering mature birds that have records at our best shows, free. The early orders naturally receive the best selections.

TURTLE POINT FARM, Box W, SARATOGA SPRINGS, N. Y.

Hawkins' Barred Rocks

Grand Champions at New York, Boston, Chicago and the World's Fair, San Francisco.

SURE WINNERS IN ANY COMPANY
Choice Breeders at Honest Prices

Eggs from the Best. 1 Setting, \$10.00; 3 Settings, \$25.00

Big Catalog of the *Champions* Free.

A. C. Hawkins, Lock Box 30 Lancaster, Mass.

MOUNTENEY'S R. and S. C. REDS
Winners at New York State Fair, Palace and other big shows. Send for mating list.

W. E. MOUNTENEY, ELMSFORD, N. Y.

Record Win at New York Palace, December 1916

Proved beyond a doubt our title to leaders of

WHITE WYANDOTTES

1 cockerel, 1-4 pens, 1-3 cocks, 1-3-5 pullet, 3-5 hens. Stock and eggs for sale.

FERNBROOK FARM,

A. G. Bouck, Mgr., 102 Menands Rd., Albany, N. Y.

**USE
KEY-
RING-O**



LEG BANDS

Mark Your Day-old Chicks with NEW Style Bands—more easily attached.

Made in 10 colors—very light—practically indestructible—easily put on—once on STAY until taken off.

Send 7 two cent stamps for 15 sample bands and our FREE circular, "Increase your Profits."

NEWELL & GORDINIER
Manufacturers TROY, N. Y.

"Premier" Partridge Wyandottes America's Proven Champions

Winners of highest honors at New York, Chicago and Boston for the past 7 years. They win for us as well as in the hands of our customers, EVERYWHERE. The highest class of exhibition and breeding stock for sale at all times. Send for illustrated catalogue.

SHEFFIELD FARM,

H. B. Hark, Manager,

GLENDAL, OHIO

METHODS AND SYSTEMS OF JUDGING

By John H. Robinson, Special Contributor,

Part III.

(Continued from page 114)

the scale of points taking on a different character, it is logical to anticipate that eventually the scale of points may become a very important factor in a more advanced system of score-card judging.

Although it is not practical to make scales of points that will satisfactorily distribute a fixed number of points to a great many different attributes of different kinds and varieties of poultry, it is entirely practical to apply throughout the scale of points, the idea that has been most logically applied in the weight section, and has been partially applied wherever in the list of cutting for defects, the maximum cut is made the limit of points allotted to shape or to color in the section, as the case may be.

With a few exceptions which appear to be due to oversight, the number of points now given to weight in the scales of points, is the difference between Standard weight and disqualifying weight, expressed in points cut for weight. In establishing this provision for weight, the Association virtually accepted the view of those who have held that the "points" in the Standard bird as tabulated in scales of points and as used in scales of cuts, represented not the total substantial values of character, but points of excellence or of superiority over specimens unworthy to be considered typical representatives of standard-bred birds of their kind. There are some features of the question of Standard weights that are inconsistent and may call for consideration at a future revision, but they do not affect the point now under consideration, which is, that when a bird suffers the specific cut which cuts to the limit of the allowance in the section, it is disqualified.

Now if a cut to the limit of the section in which it is made disqualifies in one place, why should it not disqualify in all cases? It would not be reasonable to disqualify for a cut to the limit on color or shape in a section where there are given a very small number of points, but with a little further modification of Standard scales of points in the direction of the uniformity of the decimal scale, a little more taking of points from symmetry and condition, and a practical attitude toward the fact that a scale of points as a standard measurement of results in judging can never be so adjusted that it will be reliable. Standard making will reach a stage where everyone must see that the scale of cuts which is being developed on the basis of actual good judging practice will not fit even a scale of points representing the difference between Standard perfection and absence of Standard merit, unless the total of points is much greater than 100.

Full development of the scale of cuts for defects on the present basis of cutting would make total maximum cuts run from about 150 to somewhere near 200, according to the type and the complexity of the color pattern. On a scale of 100 with the idea of making the total maximum cuts come within that number and closely approximate it, the unit cut would have to be 1-3, and the maximum

cuts would have to be proportionately lower than they are now, which would result in higher scores.

In the 1915 Standard the provision that the minimum cut shall be 1-4 would appear to make 1-4 the unit cut at the present time, although in the list of specific cuts, it is made the minimum in only two cases. To make 1-4 the unit cut and adjust the maximum so that their sum would never exceed 100, would give still higher scores as the customary scores of prize-winning birds.

While the present attitude of the Standard in the valuation of the weight section suggests the application of the principle which determines it, to other sections, the application to descriptive sections would naturally be made in a little different way. A specimen may be disqualified for weight because immature or out of condition, but even if it is an undersized bird it might have quality enough in other sections to make it a valuable bird when mated right. Or its undersize may be due to external conditions and not hereditary, and not at all likely to be transmitted to its progeny. But how many cases are there where a specimen that deserved cuts to the ex-

tent of 4, 5 or 6 points in one descriptive section, would be a desirable bird for either exhibition or breeding? Why would it not be a good general rule of judging that if the cuts as they would be recorded on the score card for any section or division of a section (shape and color) exceeded some definite number, as 4 or 5, the specimen should be disqualified?

If that were done, it would be a comparatively easy matter to arrange specific cuts for all faults, that are now disqualifications, that would meet half-way the objections that many have to the arbitrary character of many disqualifications and still would make it practically impossible for specimens having them to escape disqualification unless otherwise very free from faults in the section in which the serious fault appears. On the other hand, this rule would virtually rule out of the shows all birds that, while not showing any positive disqualification, are very bad in any particular section.

Uniformity in judging by score card is largely a matter of agreement of judges upon the grade of defect which should receive the minimum cut and of correct application of that unit of measurement

ANDERSON'S ROSE COMB REDS

We are one of the oldest R. C. Red breeders in America. We have won Blue ribbons at Madison Square Garden and other leading shows. We can satisfy you either in stock or eggs for hatching. Our matings will be strong and will contain our winners at the last Palace Show. For catalogue and prices address.

ANNESLEY M. ANDERSON,

MORTON, PA.

CLOSE-TO-NATURE GRAIN SPROUTERS



DOUBLE QUICK

Cypress Case Outside, Metal Grain Chamber Inside. Six sizes: 1-4 to 8 bu., a few Hens to 1000. PRODUCES VAPOR-BATH SPROUTS.

COLFAX METAL

Built in Sections. Add Sections as Flock Increases. Two Unit Sizes: Trays 1-4 bu. and 1-2 bu. PRODUCES VAPOR-BATH SPROUTS.



THE LAMLESS

For Furnace or Heated Rooms, Ebony Iron Frame, Galvanized trays. Sizes 1-2 bu., 1 bu., 2 bu., 4 bu. DOES NOT PRODUCE VAPOR-BATH SPROUTS.

All sprouters have the one piece metal aerated trays. We are the OLDEST and LARGEST SPROUTER makers and make ALL KINDS of sprouters for ALL KINDS of conditions.



The Grain Sprouter Runs Up the Egg Yield and Cuts Down the Feed Bill. Makes 2 to 3 bu. feed from 1 of grain. Pays a Dividend Every Month in the Twelve.

CLOSE-TO-NATURE COMPANY,

Front St., COLFAX, IOWA

Wisconsin Wins In Big Hatching Contests

Every Year

Why Pay More

- For only \$10 you can get these two prize winning machines, delivered, freight paid east of the Rockies.
- You take no risk—money back if not satisfied. You can order direct from this ad. Ask the publisher about us.



Both Machines \$10 Freight Paid For Only

\$10

180 Egg Incubator and 180 Chick Brooder both for only

12-75

Wisconsins have hot water heat, double walls, air space between double

glass doors, copper tanks and boilers, self regulating. Nursery under egg tray. Made of finest, select, clear CALIFORNIA REDWOOD, not pine, paper or other flimsy material. Incubator finished in natural color—not painted to cover up cheap, shoddy material. Incubator and Brooder shipped complete with thermometers, egg tester, lamps, everything but the oil. This is the best outfit you can buy. If you don't find it satisfactory after 30 days' trial, send it back. Don't buy until you get our new 1917 catalog, fully describing this prize winning outfit. WRITE FOR IT TODAY. You can't make a mistake in buying a Wisconsin. On the market 15 years.

WISCONSIN INCUBATOR COMPANY, Box 58 Racine, Wis.

Wisconsin Incubators have long proved their wonderful hatching qualities. Competing with every make known, they won in the five big annual National Hatching Contests. Think of it. Five consecutive victories. That certainly proves you can't make a mistake. Shipped on

30 Days' FREE Trial

MONEY BACK IF NOT SATISFIED

10-YEAR GUARANTEE

to greater defects. There can never be absolute uniformity, but as close agreement generally, as it is reasonable to expect, may be attained by using a simple scale of cuts and by judges studying the work of others with a view to finding the consensus of opinion and adjusting their own work to what is most commonly done by recognized good judges. A person might learn to judge without a Standard. It would take him a long time and he would make a great many more errors than if he familiarized himself with the book. But no amount of study of the Standard and of independent effort to apply it will ever qualify one to apply the Standard acceptably in conformity with the general practice. The only way to get that is by instruction from other judges and observation of their work.

A person knowing nothing of scales of points designed to serve as a basis for valuing the faults in the various sections of a specimen, watching the work of a judge applying the Standard by score card will—if he is at all observant—quickly discover that the general rule in judging is to cut $\frac{1}{2}$ for a slight fault, 1 for the next marked degree of that fault, $1\frac{1}{2}$ for the next, and so on; and he will observe that in general, judges distinguish three grades of defect in fowls of exhibition quality and cut these respectively $\frac{1}{2}$, 1 and $1\frac{1}{2}$.

Such a scale of cuts with the number 100 used as the symbol of perfection and the score of a specimen—100 minus the sum of its cuts for faults, gives a perfectly simple and thoroughly practical system of judging poultry and recording judgments which, if intelligently and conscientiously applied, will give little ground for criticism of it as a system, and will meet the reasonable demands of exhibitors for detailed records of the work of judges.

For intelligent application of the score card method it is necessary, as Lewis Wright pointed out long ago, that after having scored a class of birds and before finally making his awards, the judge look over his class or at least look over those birds that lead the class—the winners and near-winners—and by comparison of the birds and his scores, review his work to see whether any corrections are required. Common prudence dictates that a judge shall do this, for it is not humanly possible to always make just the right cut, and in working rapidly a judge may easily overlook a slight fault, or even pass a section without considering it.

The objection of score-card judging is "too slow" and the disposition of many small show managers to get judging done as cheaply as possible has been responsible for a great deal of slovenly judging by the score card. Where a class is very uneven in quality and the winners stand out from the rest, the comparison method unquestionably is the quicker method of judging a show for the purpose of placing the winners. But in classes of generally high quality where there are several times as many specimens of winning quality as there are prizes to be awarded, the judge frequently finds it necessary to make such copious notes and memoranda and to study these and the birds so carefully that there is little, if any, advantage in time by using the comparison method.

Nearly every comparison judge has his

own private system of marking cards or otherwise recording his observations upon the birds he is judging. At one of the leading eastern shows a few years ago, the judge who passed upon the White Wyandottes, told me that his notes were so complete that he could, by referring to them, give every exhibitor who had birds that looked good enough to win but didn't, the reason why other birds were placed ahead of his. I think that it will be generally agreed that it is desirable, that whether judging by score card or by comparison, records should be made by a

uniform method and should be in such form that they would be intelligible to others as well as to the judge making them.

There is much more that might be said about judging and particularly about the improvement of methods of applying the Standard by score card, but my purpose in writing on the subject at this time is only to put certain matters relating to judging in their true light and then set readers, who may have been in error or confused about them, to thinking along the right lines. I have aimed to keep the

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discussion of it within the lines where I can demonstrate that the positions that I have taken are correct—can prove what I say by chapter and verse.

If my personal attitude in regard to the different methods of judging is of any interest to the reader in his connection, I happen to be one of those who, beginning with a preference for the comparison method, due, no doubt, to the incongruities of the other, have gradually come to see that it is a method not adequate to the requirements of the business, and that what we need is a score card system that is simple in principle and that combines the good features of both methods. While I consider the decimal system, in some respects, better than the

Standard system, I would not advocate using it as it is. An examination of the tables in which its scale of points appears will show the weak point in the decimal system—under-valuation of head parts. Judges working on the theory that the points assigned a section give its full value, or on the theory that they represented the limit of cuts for faults in a section could not cut head parts as much as is usual. Judges working on the specific cut principle might cut more freely, but the very fact that the number of sections is less in the decimal system tends to reduce the number of cuts made. Either way, the result is likely to be a little higher score by the decimal than by the Standard system unless the judge applying the decimal system makes due

allowance for the facts noted. Some judges do this, others do not. I think that, generally, it will be found that a judge who uses both systems scores the same by both, while those who use only the decimal system, are likely to acquire the reputation of scoring too high. The root of the trouble here is the arbitrary effort to make just ten sections. That cannot be done satisfactorily while weight and condition are included as a section, but could be done with the descriptive sections. But what virtue would there be in just ten sections? We want methods to suit the things that we are judging, not arrangements of sections upon some arbitrary mathematical principle.

Table I. Comparing scales of points for the American, Mediterranean and Asiatic classes in various editions of the Standard with each other and with the decimal scale of points.

Explanation.—Where the points allotted a section are divided for shape and color, the total is given in the column directly under T, and the number of shape in the column under S, and for color under C.

	Symmetry.	Weight or Size.	Condition.	Comb.	Head.	Beak.	Eyes.	Wattles and Ear-lobes.	Neck.	Wings.	Back.	Tail.	Breast.	Body and Fluff.	Legs and Toes.
					S C T	S C T	S C T	S C T	S C T	S C T	S C T	S C T	S C T	S C T	S C T
Plymouth Rocks	12	14	9	8	7			6	8	6	6	6	—(10)—		8
1875 American Class	8	6	6	8	3 3 6			6	4 6 10	4 4 8	4 4 8	4 4 8	5 5 10	5 3 8	8
1890	8	6	6	8	3 3 6			6	4 6 10	4 4 8	5 5 10	4 4 8	5 5 10	3 3 6	8
1898	8	6	4	8	3 3 6			2 4 6	3 6 9	6 4 10	6 6 12	4 5 9	5 5 10	3 3 6	3 3 6
1905	4	4	4	8	2 2 4	2 2 4	2 2 4	2 3 5	3 5 8	4 5 9	6 5 11	5 5 10	6 5 11	5 3 8	3 3 6
1910	4	4	4	8	2 2 4	2 2 4	2 2 4	2 2 4	4 6 10	4 6 10	5 5 10	5 5 10	5 5 10	5 3 8	3 3 6
1915	4	4	4	8	2 2 4	2 2 4	2 2 4	2 2 4	4 6 10	4 6 10	5 5 10	5 5 10	5 5 10	5 3 8	3 3 6
Decimal Scale	5	5	10		—(T-10)		S-5	C-5—	5 5 10	5 5 10	5 5 10	5 5 10	5 5 10	5 5 10	5 5 10
Leghorns	10	10	10	15	7			15	5	5	5	5	—(5)—		5
1875 Mediterranean Class	8	5	6	10	4 4 8			10*	3 4 7	4 4 8	3 4 7	4 4 8	6 4 10	3 3 6	7
1890	8	10	5	10	2 2 4			10*	3 4 7	4 4 8	3 4 7	4 4 8	6 4 10	3 3 6	7
1898	8	5	10	10	2 4 6			10*	3 4 7	4 4 8	3 4 7	4 4 8	6 4 10	3 3 6	7
1905	4	4	4	10	2 4 6	2 2 4	2 2 4	4 6 10	3 4 7	4 4 8	5 4 9	6 4 10	5 4 9	3 2 5	3 3 6
1910	4	4	4	10	2 4 6	2 2 4	2 2 4	4 6 10	3 5 8	4 6 10	5 5 10	5 4 9	4 4 8	3 2 5	2 2 4
1915	4	4	4	10	2 4 6	2 2 4	2 2 4	4 6 10	3 5 8	4 6 10	5 5 10	5 4 9	4 4 8	3 2 5	2 2 4
Decimal Scale	5	5	10		—(T-10)		S-5	C-5—	5 5 10	5 5 10	5 5 10	5 5 10	5 5 10	5 5 10	5 5 10
* Wattles 4. Ear-Lobes 6.															
Light Brahma	10	13	8	8	5			5	10	8	7	7	7*	5*	7
1875 Asiatic Class	8	6	6	8	3 3 6			6	4 6 10	4 4 8	4 4 8	4 4 8	5 5 10	5 3 8	8
1890	8	6	6	8	3 3 6			6	4 6 10	4 4 8	4 5 9	4 5 9	5 5 10	5 3 8	8
1898	8	6	5	8	3 3 6			5	4 6 10	4 4 8	4 4 8	4 4 8	5 5 10	5 3 8	8
1905	4	6	4	8	3 3 6		2 2 4	2 3 5	4 5 9	4 4 8	6 5 11	4 5 9	5 5 10	5 3 8	8
1910	4	4	4	8	2 2 4	2 2 4	2 2 4	2 2 4	4 6 10	4 6 10	6 4 10	5 5 10	6 4 10	5 3 8	3 3 6
1915	4	4	4	8	2 2 4	2 2 4	2 2 4	2 2 4	4 6 10	4 6 10	6 4 10	5 5 10	6 4 10	5 3 8	3 3 6
Decimal Scale	5	5	10		—(T-10)		S-5	C-5—	5 5 10	5 5 10	5 5 10	5 5 10	5 5 10	5 5 10	5 5 10

* Breast and body 7. Fluff 5

Table II. Comparing the scales of points in the 1915 Edition of the Standard of Perfection.

Explanation.—Where the points allotted a section are divided for shape and color, the total is given in the column directly under T, the number for shape in the column under S, and for color under C.

Class.	Symmetry.	Weight or Size.	Condition.	Comb.	Head.	Beak.	Eyes.	Wattles and Ear-lobes.	Neck.	Wings.	Back.	Tail.	Breast.	Body and Fluff.	Legs and Toes.	Crest	Texture of Feather
					S C T	S C T	S C T	S C T	S C T	S C T	S C T	S C T	S C T	S C T	S C T	S C T	
Amer.	4	4	4	8	2 2 4	2 2 4	2 2 4	2 2 4	4 6 10	4 6 10	5 5 10	5 5 10	5 5 10	5 3 8	3 3 6		
Asiatic	4	4	4	8	2 2 4	2 2 4	2 2 4	2 2 4	4 6 10	4 6 10	5 5 10	5 5 10	5 5 10	5 3 8	3 3 6		
Med.	4	4	4	10	2 2 4	2 2 4	2 2 4	2 2 4	4 6 10	5 3 8	4 6 10	5 5 10	5 4 9	4 4 8	3 2 5	2 2 4	
Eng.	4	4	4	8	2 2 4	2 2 4	2 2 4	2 2 4	4 4 8	4 6 10	6 4 10	6 4 10	6 4 10	5 3 8	5 3 8		
Polish	4	4	4	2	2 2 4	2 2 4	2 2 4	2 2 4	4 4 8	4 6 10	4 4 8	4 5 9	4 4 8	3 3 6	2 2 4	10 5 15	
Habg.	4	4	4	10	2 2 4	2 2 4	2 2 4	2 2 4	5 5 10	4 4 8	4 6 10	5 5 10	4 6 10	4 4 8	3 3 6	2 2 4	
French	4	4	4	4	2 2 4	2 2 4	2 2 4	2 2 4	4 4 8	4 6 10	5 4 9	5 4 9	6 4 10	3 3 6	2 2 4	8 4 12	
Cont.	4	4	4	8	2 3 5	2 2 4	2 2 4	2 2 4	4 4 8	3 5 8	4 6 10	6 6 12	5 5 10	4 5 9	3 3 6	2 2 4	
Games	10*	6	2		4 1 5				2 5 3 8	4 6 10	4 3 7	5 3 8	4 3 7	4 3 7	10 4 14		6
Orien.	4	4	5	6	(T-5 S-3 C-2)	2 2 4	2 2 4	2 2 4	4 4 8	4 4 8	6 4 10	10 4 14	4 4 8	4 4 8	4 4 8		4
Malays	10*	12	5	8	—(T-11 S-5 C-6)—			2 2 4	3 3 6	4 4 8	3 3 6	3 3 6	3 3 6	2 2 4	3 3 6*		
Seb.	4	2	4	8	2 2 4	2 2 4	2 2 4	4 4 8	4 4 8	4 6 10	4 6 10	6 6 12	5 5 10	4 4 8	2 4 4		
Bant.	4	2	4	8	2 2 4	2 2 4	2 2 4	4 4 8	4 4 8	4 6 10	4 6 10	6 6 12	5 5 10	4 4 8	2 4 4		
Miscel.	4	2	4	8	2 2 4	2 2 4	2 2 4	2 2 4	4 6 10	4 6 10	6 4 10	5 5 10	5 5 10	5 3 8	5 3 8		
Bant.	4	2	4	2	2 2 4	2 2 4	2 2 4	2 2 4	3 3 6	4 6 10	4 4 8	4 5 9	4 4 8	3 3 6	3 3 6	10 5 15	
Pol.	4	4	4	5	(T-6 S-3 C-3)	1 2 3	2 4 6	4 3 7	4 6 10	4 3 7	4 3 7	5 3 8	3 3 6	3 3 6	3 3 6	8 4 12	9
Silkie	4	4	5	4	3 3 6			4 3 7	3 3 6	4 3 7	5 3 8	3 3 6	3 3 6	3 3 6	9 3 12		
Ducks	4	6	10		2 2 4	2 2 4	2 2 4	4 4 8	4 6 10	8 4 12	2 2 4	10 4 14	12 4 16	2 2 4	2 2 4		
Ducks	4	6	10		2 2 4	2 2 4	2 2 4	4 3 7	4 6 10	6 4 10	2 2 4	6 4 10	6 2 8	2 2 4	2 2 4	15	
Ducks	4*	6	6		4 3 7	5 2 7	2 2 4	8 4 12	3 3 6	6 3 9	2 2 4	6 3 9	6 3 9	2 2 4	2 2 4		
Geese	4	6	10		(T-10 S-4 C-6)		2 2 4	6 3 9	6 6 12	8 4 12	2 2 4	8 4 12	10 4 14	2 1 3	2 1 3		
Turk.	4	18	4		2 2 4		2 2 4	4*	3 2 5	4 6 10	4 6 10	4 8 12	5 5 10	5 5 10	3 2 5		

*In Games and Malays, for Symmetry read Station, and in Malays for Weight read Weight and Height. In Indian Runner Ducks class 15 points are allotted to carriage in addition to the 4 for symmetry. Various minor irregularities are not noted in the tabulation. In the above table it should read, "Ducks, except the following, Crested White Ducks, Indian Runner Ducks."



Topics of the Times

By JOHN H. ROBINSON, Special Contributor

It is about time now for poultrymen, who would like to have a more complete and satisfactory census of poultry, to take the matter up and see what can be done about it. Recognizing the desirability, from the poultryman's point of view, of having as complete statistics for the industry as possible, I am still personally sceptical about the possibility of getting anything much better than we have had in the past while the census is a decennial event, conducted by the Federal government in the present manner.

However, poultrymen will not get what they want unless they ask for it. Congress can do no worse than to fail to comply with their request. It may perhaps give something, if not all that they ask, and the demand for better service may help to bring about conditions which will make it practical. It is important that action be taken early, before the plans for the census are advanced. I would suggest that as Prof. W. A. Lipincott has shown special interest in having the American Poultry Association take the initiative in a movement for this purpose, he bring it up at the next convention, not merely by resolution contemplating doing something, but by coming before the Association with specific suggestions as to the action it should take. It is his privilege as a member to do this without authorization to do it through a committee. The most effective way to get action in such matters is for a self-appointed committee of one thoroughly interested person to put his ideas in proper shape before presenting them to the Association. Then with a small, well-chosen committee in an advisory capacity, something can be done. Too often, committees for organization work are expensive and inefficient, because no one has a clear idea of what should be done. In such a case, the appointment of a committee is premature.

The fundamental difficulty in the way of getting a better poultry census is that the machinery for census taking is inadequate for taking it on so elaborate a

scale. It is not simply a question of a better poultry census. Numerous other interests would like a more complete census. To satisfy all would add enormously to the cost of census taking, and as much or more to the cost of compiling the returns and publishing reports. Nor is it simply a question of cost. Even with the limited ground now covered, the Census Bureau has heretofore experienced difficulty in getting enumerators who are able to take a great variety of statistics accurately and satisfactorily. It will always be so while the census is taken in the primitive fashion that has come down from the past.

It is absurd for our Federal Government to take a census once in ten years through a special organization for that purpose, undertaking to gather the data in a very short period and then requiring many times that period to compile the returns and make them available for any purpose that they may serve. There is no more need of the Federal census being taken by a special organization, organized and directed from Washington, than of Federal elections being held apart from other elections and with special officials, all directed from Washington. The logical way to collect statistics of all kinds is through local officials, specifically through the assessors. A suitably organized plan of assessing, wherein federal, state and local governments co-operate as they do in elections, would make it possible to collect annually full statistics of every industry and interest.

—O—

I have just been looking over a bulletin of the Massachusetts State Board of Education entitled, "Information Relating to the Establishment and Administration of County Agricultural Schools and Agricultural Departments." In this bulletin every particular relating to the subject is carried to "the last analysis" in a way that is, no doubt, just the thing for those engaged in the work who need the bulletin for reference for information upon details of their work, but it gets on one's nerves a little if he undertakes to read the bulletin for the purpose of a correct general view, as desired by a layman. Yet, it is worth while to go through it for the ideas and suggestions it contains.

It occurred to me as I went through this bulletin, that it would be a useful service for someone to prepare a similar analysis, comparing all the classes of schools, colleges and departments, giving instruction in agricultural subjects, which would indicate the peculiar field of each type of educational agency and discuss the methods appropriate to each. The job is one for a person on the public pay-roll, for no one else can afford to do it. I can think of a lot of subjects that, if thoroughly worked up in this way, would be valuable, and they would make very good articles for periodicals, but to do them well, takes more time than a periodical can pay for or a contributor can afford to give gratis.

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I can find also, a lot to criticize in the educational schemes set forth in the above named bulletin, but there is one point that the Massachusetts Board of Education is insisting upon in all state-aided teaching of agriculture that pleases me mightily, and that is the stress put upon directing the practice work of pupils, with a view to financial returns. Failure to give due attention to the financial aspects of work done by students, and to the financial aspects of experimental work of various kinds, is a common fault, if not a crying evil, in poultry work at our agricultural colleges and experiment stations. It is probably the same in other agricultural subjects at these institutions, but as to that, I am not well informed, though I know of a few instances strongly indicating that the trouble is general.

Almost universally, instructors in poultry-keeping, and in agriculture generally, insist upon the importance of keeping careful accounts in commercial operations with poultry, yet I cannot think off-hand, of a single institution teaching poultry-keeping or doing experimental work with poultry, that issues a financial statement covering its poultry operations. Presumably, they all have such data. Why do they not publish it? If they were required to do so, it might work quite a revolution in methods of conducting poultry work at these institutions.

Experimental poultry work, as usually conducted by either private individuals or investigators at the stations, is not financially profitable, and we have fallen into the habit of thinking that it cannot be conducted as a profitable commercial proposition. That it cannot be done by the usual methods seems plain, yet it appears to me that with the right sort of organization we could have, from the public institutions at least, scientific reports upon commercially profitable operations in poultry culture.

Considering the way it has worked out, I often think it unfortunate that our experiment stations were not called demonstration stations. There is very little need, comparatively, of experiments to find out what is not known or to determine principles. As a matter of fact, very little of the so-called experimental work done at agricultural experiment stations is experimental in the true sense. But there is a great need of thorough, careful, systematic observation and study of regular operations in poultry culture to get the true significance of facts and their relations to each other and to practice.

Probably the only way this could be done at such institutions would be to have the farm work, of whatever kind, carried on by good, practical men, just as they would do it for themselves, while a corps of "scientists" studied the methods, conditions and results by observation with such statistics as could be made without introducing into economic operations methods of making statistics which interfere with their economical efficiency. One of the difficulties at the present time in getting capable, practical men to work on college and station plants as foremen, or even in minor positions, is the unwillingness of practical-minded men to care for fowls the way experimenters and investigators want them

cared for in their experiments.

Methods adopted for the sake of getting complete and absolutely accurate data upon certain points, often make abnormal conditions which affect results unfavorably and, in a measure, invalidate the experiment. Practical men are, as a rule, not given to such accuracy in details as the typical, scientific investigator seeks. It is the ability to work in an off-hand, free-hand way, adapting his practice to conditions and requirements, that make a man practical. To require him to do, as a matter of form, for the purpose of providing data, what he knows is practically absurd, is more than a really practical man will stand for as a continuous diet.

Consequently the work at such institutions is largely done by students and a class of experts, whose bent is in the direction of experiment and invention; and the question of financial profit is apt to be disregarded. Perhaps this is unavoidable. Under present conditions, it seems to be. Yet I am inclined to think that, unless experiment stations and colleges overcome this stumbling-block, their influence will greatly diminish and their progress will be retarded until they develop methods that will stand the financial test. I have been as ready as anyone to apologize for their shortcomings in this respect, and have often asserted that experimental work could not be profitable financially. I have found a good many practical men who would not accept that view, and if the schools for secondary instruction insist

upon the financial return as the proof of the work done, I do not see how the higher institutions can do otherwise.

Reports of the state fairs indicate that those fixtures are growing in importance and value to poultry interests. To me this signifies that eventually the big fall fairs will surpass the winter shows as factors in the trade in Standard poultry. Such a view may be rank heresy, for everyone is supposed to know that it is at the big winter shows that exhibition birds appear at their best, and that neither old or young birds are likely to be as fit to show in September and October as in December and January. But one reason for this, applying more especially to the young birds, is that most of the shows are held in winter and that exhibitors get the habit of hatching to have birds ready for the show or shows at which they wish to exhibit.

Probably in a majority of cases of shows in large cities, the time of holding a poultry show has been established as the time when the hall desired could be obtained, and after a date has been used for a series of years by a certain show, it is desirable for various reasons to keep that date, but it is also recognized that there are serious disadvantages connected with the holding of poultry shows in winter. The risks to the birds are greater than in the fall, and only those shows that come early in the winter leave time to restore birds that have



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EGG-O-HATCH

How and Why it Better the Hatch And Brings Stronger Chicks

Egg-O-Hatch is a dry powder. Mixed with water it makes a solution rich in loosely available oxygen and with a strong affinity for carbon dioxide. That is, when applied to eggs during incubation, it soaks into the shell and supplies oxygen for the growing chick; absorbs the carbonic acid gas given off; further, by its action on the animal

matter of the shell, it renders the shell more porous and brittle.

Up to the hatching point, a chick breathes through innumerable blood vessels located in the inner membrane just within the shell. Close the pores of the shell and the chick quickly dries. Partially close them and the chick is weakened just the same as if partially strangled. If, at the same time, the shell is drying out and becoming harder, tougher and non-porous, a point is reached where the chick is too weak to break out of the tough shell.

The margin between strength of chick and strength of shell is small at the best and good hatches can result only when this margin is kept as large as possible

Egg-O-Hatch is easily and quickly applied to eggs by spraying or dipping. It is used only three times during the 21 days. Our later experimental hatches have invariably shown from 10 to 40 per cent better hatches where Egg-O-Hatch was used, and all were better, stronger chicks. Fifty test hatches showed an average of 96 per cent for eggs treated with Egg-O-Hatch, and 81 per cent for eggs not treated, **RIGHT IN THE SAME MACHINE.** Egg-O-Hatch is easily proven. Use it on half the eggs in an incubator.

ONE SIZE ONLY. 50 cents postpaid, or at dealers. Sufficient for 600 to 700 eggs. Sample 10 cents. Enough for 50 to 100 eggs. Our No. 19 Atomizer, all glass and rubber, is handiest and best way to apply Egg-O-Hatch. **PRICE 75 CENTS.**

To rid chickens and their roosting places of lice and mites, paint or spray **Lee's Lice Killer** on the roosts. Kills lice on bodies of poultry roosting over it; also insects causing "scaly leg." No handling, dusting, dipping or greasing. \$1.25 gallon, express prepaid; \$1 at dealers.

Germozone, given in drinking water, purifies the water and vessels, prevents spread of disease, counteracts musty or spoiled food, prevents and relieves bowel troubles. Is effective remedy for roup, colds, swelled head, canker and skin disease. Liquid form, 12 oz., 50c; tablet form, 50c postpaid.

Egg-o-latium, for preserving eggs, 50-dozen size, 50 cents postpaid. **Lee's Egg Maker**, five sizes, 25c, 50c, \$1.25, \$2.50 and \$8. **Lee's Louse Powder**, two sizes, 25c, 50c—1½ and 3-lb. sizes. **Mandy Lee Incubators**, 60 to 300-egg. Brooders, 5 kinds. Send for catalog, poultry books and delivery terms.

The Lee Line
standard for
20 years.

GEO. H. LEE CO., 308 Lee Building, Omaha, Neb.

been shown properly, to a good condition for breeding before the breeding season begins. Especially is this true of the heavier breeds which should be hatched early. In the matter of getting out circulars and advertising too, late shows delay preparations and announcements and so tend to shorten the season of spring business.

I will admit that I am somewhat of a crank in the matter of "putting the poultry seasons forward," but I take that attitude because I have long been thoroughly convinced that one of the greatest drawbacks in this business is the general tardiness in nearly all lines in getting ready for the season's business well in advance of the season. I have felt that keenly in various things connected with my own interests in it, and I have seen it over and over again in many cases of others. The condition is so general that individuals can do but little to remedy their own cases, but every little helps the general situation.

SIXTH INTERNATIONAL EGG LAYING CONTEST, STORRS, CONN.

We quote from the first report (November) of the sixth annual egg laying contest at Storrs, Conn.

The sixth annual laying contest at Storrs opened on November 1st with one hundred pens of ten birds each. The one thousand pullets in the new contest are distributed geographically as follows: Connecticut 380, New York 120, Massachusetts 90, New Hampshire and Pennsylvania 60 each, New Jersey, Rhode Island and England 50 each, Ohio, Vermont, Virginia and Ontario 20 each, Michigan, Missouri, Maryland, Maine, Kansas and Illinois 10 each. There are nine varieties represented, namely: Barred White and Buff Rocks; White and Buff Wyandottes, White Leghorns, Rhode Island Reds, White Orpingtons and Silver Campines.

In addition to the men regularly employed by the college in connection with the contest, Dr. N. W. Sanborn, Holden, Mass., was engaged to inspect all the birds with especial reference to factors affecting health and hygiene. Judge W. H. Card was engaged to look over all of the birds in the new contest from the fancier's point of view, and he scored all of the thousand birds so that the poultry department at the college and the owners of the several pens could have a record in this respect. The management of the contest will tabulate the score cards of the several breeds and hopes to report in these columns the results of this work.

The same feeding formulas that were used last year will be used again in the current contest. The formulas are as follows:

Dry Mash

Wheat bran	100 pounds
Corn meal	100 pounds
Ground oats	100 pounds
Flour middlings	100 pounds
Fish scrap	50 pounds
Beef scrap	50 pounds

Scratch Grain

Wheat	100 pounds
Cracked corn	100 pounds

It is realized that many poultrymen are not now feeding much wheat on account of its high price. In the contest, however, it has seemed unwise to change the rations frequently so that they are being continued for another year even though this may possibly be done at a slightly higher cost. There are two considerations that seem chiefly to recommend this feed, namely, its simplicity and its effectiveness.

The awards for November were won by White Leghorns, a Connecticut breeder winning first prize with a yield of 167 eggs. All pens laid 5594 eggs, or a little over 300 more than last November.

The best pens of the principal varieties are as follows:

Pen	Eggs
4—Barred Plymouth Rocks, L. I.	89
16—White Wyandottes, Connecticut.	100
50—Rhode Island Reds, Conn.	105
89—White Leghorns, Conn.	167
54—White Orpingtons, R. I.	113
13—Buff Rocks, Connecticut	94
31—Buff Wyandottes, Conn.	92

LINE-BRED S. C. BLACK MINORCAS "Quality Conquering McConnell Strain"

Bred strictly in line, trap-nested and pedigreed for the last twelve years. Two strains—exhibition and prolific egg yield. Birds from exhibition strain won highest honors on Pacific Coast and throughout the east, including Madison Square Garden. Egg producing strain has highest trap-nest records of any flock of S. C. Black Minorcas in the world. Full particulars on request. Exhibition and breeding stock for sale. Prices reasonable. Sales list free on request. Eggs for hatching in season. Ten acres devoted exclusively to S. C. Black Minorcas. Can sell you what you want in either stock or eggs at prices that will suit you, value considered. High priced specimens sold on approval. Reference—Editor of this journal. Address

J. V. McCONNELL,

Box 279,

GARDEN GROVE, CALIF., U. S. A.

LLENROC REDS

Champions of the East open the Season with two big wins

BOTH COMBS

NEW YORK STATE FAIR AND TORONTO

Our Reds won at the Great Toronto Exposition 9 regular awards including 4 firsts and 4 seconds, also special for best display of single combs. At Syracuse 9 regular awards on 11 entries and special for best display of single combs. We have 200 show cockerels and 200 show pullets ready to win anywhere. Write for description and prices. We guarantee to please.

JOHN E. HOUCK
Black Creek, Ont.

HOUCK & ALT
Buffalo, N. Y.

HENRY ALT
87 Fuller Street, Buffalo, N. Y.

WHITE

PEDIGREED

LEGHORNS

Birds with records of 255. This is the strain that furnishes birds for Storrs' Connecticut contest, also for their experimental purposes.

A Grand
Total Pen
Record of
2083

Breeding season is at hand. Right now is the time for you to buy birds to improve your flock. My prices will suit. Don't delay—write me today!

M. W. POTTER

LEEDS, MASS.

YANT'S BARRED ROCKS

Won the Sweepstake Cup for best display at both the December 1914 and 1915 Chicago Coliseum Shows, also Cup for best win on pens, Cup for Champion Male, etc. They have been big winners at this show for 7 consecutive years and at other leading shows for 15 years. ALL winners bred and raised by me. It will pay you to improve the prize-winning and utility qualities of your flock by stock from this great strain.

JOHN W. YANT,

Route 24,

Canton, Ohio



Steam-Cooked Chick Feed. Why?

It is estimated that 7 out of 10 little chicks that die are killed by feeding an indigestible ration.

It is always a risk to feed them raw grain. It is like offering a baby food that is hard to digest.

The steam-cooking which we give our feed by a special process in the mill opens up the starch cells of the grain. Then the most feeble little chicks can digest and assimilate it easily. And so it saves lives.

H-O Steam-Cooked Chick Feed

is a combination of cut oatmeal and other selected grains cut to pin-point fineness.

It is correctly balanced for little chicks, steam-cooked, low in moisture, nutritious, and proved good by thousands of particular poultrymen. It is the food to save lives and to speed up development.

Write for free sample, prices and descriptive folder.

THE H-O COMPANY,

JOHN J. CAMPBELL,

Mills:

Buffalo, N. Y.

General Sales Agent:

Hartford, Conn.

The KELLERSTRASS STRAIN of
Crystal White
ORPINGTONS

Won at Chicago, 1916 Won at Omaha, 1916

They won more first and second prizes up to 1911 and 1912 at the world's largest shows, such as the Jamestown Exposition, Kansas City, Baltimore, St. Louis, Chicago, and at

Madison Square Garden, N. Y.

than all competitors combined. Since that date we have not exhibited at those shows. We advertised in advance we would not show for a certain period of time. We did not, but most of the first prizes awarded on White Orpingtons at New York, Chicago and Kansas City during 1913, 1914 and 1915 were placed on birds owned by customers of the Kellerstrass Poultry Farm—breeders whose foundation stock was direct from Kellerstrass. This should convince anyone that the Kellerstrass Strain is

The World's Greatest Strain

of Crystal White Orpingtons. This fall we exhibited our stock at five of America's leading state fairs, traveling over seven states to do so. We competed for a total of 27 first prizes and won 21 first prizes, besides a silver trophy for champion pullet in the English class, special for champion hen in the English class, specials for champion cock and champion cockerel, were all carried off by our birds. First prize cockerel was won by us at all of these five great expositions.

They Lay, Weigh and Pay

As far as we know or can find out, no chicken ever equaled the world's record for laying made by a Crystal White Orpington bred and owned by Mr. Kellerstrass. This great pullet laid 263 eggs in 272 consecutive days and then went broody, was set and she raised a fine lot of 12 chicks; nine were cockerels. The mother then grew into a ten pound hen and became famous for her fine exhibition qualities. The nine sons were bred from by Mr. Kellerstrass for three years, thus stamping the combined egg laying and exhibition qualities of this great hen on all Kellerstrass Strain birds. We believe that today our birds are bred whiter and produce more eggs than the birds of any other strain. One customer in California reports a pullet hatched from eggs bought in 1915, has laid 269 eggs in one year. Another egg customer in Missouri reports several pullets as now past the 220 egg mark.



263 Eggs in 272 Days

1,200 Choice Show Birds and Breeders Now Ready for Your Orders



First Hen at New York

We can furnish high grade utility males or females, choice breeders or show birds of the kind that win in any show in the world, and at prices that are very reasonable for their quality. Tell us just what you want, the number, age, and sex, and we will select the birds, will describe and price them. If you order we guarantee each bird to please you. Look it over 3 or 4 days and if not pleased return prepaid and money will be refunded.

10 Choice Pens Mated Oct. 15

They are "all star" matings, containing only the cream of the Kellerstrass flock, the very best layers and exhibition birds in the world. Can handle only a few early orders at \$5, \$10, \$20 and \$30 per 15. Come direct to the fountain head and get the best. Free catalog, also special sale price list.

THE 1733 RANCH R. 6, Box 9, KEARNEY, NEB.
 Russell F. Palmer, Mgr. Jas. Swan, Supt.

Successor to Kellerstrass Poultry Farm

THE PALACE SHOW, NEW YORK CITY, DEC. 5-9, 1916

By Geo. W. Tracy, Field Representative

(Continued from page 115)

The quality in these classes appealed to Mr. E. B. Thompson, Amenia, N. Y., the world's leading Barred Rock specialty breeder, who made several visits to the show and spent most of his time in the Barred Rock alley. Mr. Thompson informs us that this has been one of his good seasons, both in raising fine exhibition specimens and in making sales. In fact, Mr. Thompson avers that the demand for his Imperial Ringlets is steadily on the increase, but by enlarging his facilities he is able to keep pace with the demand.

What was true of the Barred Rocks was true also of the White Rocks, which were really beautiful classes, teeming with quality in which the winners, except 1st pullet, had to fight for their places. First pullet, exhibited by Dr. Chester E. Tracy, Castleton, N. Y., was a gem of the first water and ranks with the great females of this popular variety that have been exhibited at Madison Square Garden. The genial doctor is conducting a model poultry plant, breeding S. C. White and Buff Leghorns, S. C. Black Minorcas, White and Buff Plymouth Rocks, selling eggs for hatching and stock for breeding and exhibition. It is a compliment to the fancy to have such men as Dr. Tracy in their ranks, and we cordially and confidently recommend him to readers of A. P. W. He sends out a neat little mating list which gives the "personnel" of each breeding pen, also the record of his birds at Madison Square Garden.

Wilburtha Poultry Farms, 32 River Road, Trenton Junction, N. J., made a fine win in the White Rock class, as follows: 2, 4 cocks; 2 hen; 1 cockerel; 3, 5 pullets; 1 pen; best display. Wilburtha Poultry Farms' varieties are White and Columbian Rocks, S. C. R. 1. Reds and S. C. White Leghorns, and they occupy a premier position in the poultry world in all these varieties.

Mr. T. J. Enslin, Hackettstown, N. J., was a visitor at the Palace, where he met his many friends and took notes about the birds. He spent a great part of his time in the Columbian Plymouth Rock alley and was well pleased with the fine showings made by this excellent variety. Mr. Enslin himself, is a crank on the Columbian Rocks and is making a great success with them, particularly as layers. He has some fine stock for sale and will sell baby chicks and hatching eggs from pens, headed by sons of "Columbia Queen," the champion heavy-weight hen. Mr. Enslin claims an authenticated record for her of 286 eggs in one year, and seems to have transmitted her qualities to her descendants. We understood him to say that he had a big string of birds at the Easton Show this week.

"Wilburtha" has in its general manager, Mr. M. L. Chapman, one of America's most astute poultrymen, having no superior as an all-round judge and certainly none as a conditioner of show birds. These latter qualifications make him invaluable to a poultry farm that furnishes birds to win at any show, for when birds come from Mr. Chapman's hands to his customer at the show, they are ready for the judge. Mr. D. G. Keyler, assistant manager, is a gentleman of established reputation as a skillful handler and breeder, as well as a man of sterling integrity. Chas. J. Fisk, owner of Wilburtha, is widely known as a successful business man and a thorough fancier, in fact, he can be pointed to as a man of great potency in the poultry world, his standing and superior business ability causing many to select him as their choice for the presidency of the American Poultry Association.

The Buff Rocks were very strong and fine appearing classes.

The Silver Wyandottes made an attractive class, the star being 1st pullet, which in type and color, is the best we have had come under our notice. She was the center of attraction as the star of the whole show. Her owner and breeder, Mr. J. F. Van Alstyne, R. F. D., Castleton, N. Y., ranks at the top of the ladder as a Silver Laced Wyandotte breeder, having bred, exhibited and furnished blue ribbon winners for America's leading shows. He reports that he has this season the best Silvers he ever bred and he has them in such numbers that he can spare a few choice breeders and show birds.

White Wyandottes were the "hot-bed of contention," and we will go on record as stating that it was the best class of White

Wyandottes yet shown. What more can be said of the classes by us than to tell what part an A. P. W. advertiser took in staging this great quality display of one of America's most popular varieties of fowls. Fernbrook Farm, Arthur C. Bouck, manager, Box O, Menands Road, Albany, N. Y., won 1, 3 Cocks; 3, 5 hens; 1, 2 cockerels; 1, 3, 5 pullets; 1, 4 pen; best display by a big margin; shape and color specials for both males and females, 1st pullet winning all specials offered for females, and 1st cockerel, all male specials. It was the universal opinion of qualified experts, in which we concurred, that the four cockerels shown by Fernbrook Farm in the singles, were the best four White Wyandotte males ever shown by a single exhibitor.

Mr. Bouck is deserving of great credit for the position occupied by Fernbrook Farm. The success of this farm is the direct result of concentrated energy along well-planned breeding methods, and great as has been this victory, we believe that the star of Fernbrook Farm is still in its ascendancy.

The Buff Wyandottes were a very strong class, some great birds being shown. The veteran breeder of Granville, N. Y., Stuart A. Howland, had a fine exhibit.

His first hen was a wonder in color and shape, carrying off the major honors of the classes, while his first prize pen would be hard to duplicate. A feature of Mr. Howland's birds is their good standard Wyandotte size. It was feared at one time that the exhibition Buff Wyandotte was rather retrograding as to size, but Mr. Howland came to their rescue and now the winning specimens show up to proper standard requirements with color even superior to the "bantam" Buffs, that previously had been winning. Mr. Howland is enthusiastic over the future prospects of his favorite variety, having the best flock he ever owned.

The Columbian Wyandottes were also a splendid class, good shape and color being strongly in evidence. Levi A. Ayres, Box B, Granville, N. Y., carried off the honors of the classes, winning 2, 3 cocks; 1, 4 hens, 2, 3, 4, 5 cockerels; 1, 2 pullets; 1 pen. Mr. Ayres has been breeding Columbians for some years and is always a prominent winner at the largest shows.

Horseshoe Poultry Yards, Hicksville, L. I., made several entries, winning 3rd on a very fine cockerel. They breed good Columbian Wyandottes.

Remarkable Reds

The Single Comb Rhode Island Reds were the biggest class in the show and won the Palace special of \$50.00 for the specialty club, showing the largest entry. The classes contained 25 cocks, 22 hens, 42 cockerels, 36 pullets and 10 pens, and we can safely state that it was the best exhibit of S. C. Reds ever shown at the Palace. No one bird stood out as a positive winner from the aisle, with the exception of 1st hen. First pen also appeared to be an easy winner. This pen contained probably the best young male bird in the S. C. classes, taking shape and color into consideration. In the pen with him were four typically shaped R. I. Red pullets with fine surface color. It is going to be very difficult to get a pen together to beat this one. First cock was the same bird that won first at the Madison Square Garden and Boston Shows last season. He is a good one, but he had to go some to finish ahead of a few of the birds shown against him. First hen also was a winning pullet at the Garden last winter, being just as good in surface color as she was when a pullet at the Garden.

Third cock, winner of shape special, was one of the most elegantly shaped birds we have seen. First cockerel was one of those Reds that best shows its worth by handling, as according to Mr. I. W. Bean, he was extraordinarily rich in under-color and markings, with strong, rich surface color and a fine breast. It is this section in which many of our high-colored Reds are deficient, but we believe this will soon be remedied, as progressive Red breeders have awakened to the fact that no Red can be called even in color unless the breast is included. The breast might also be included when the judges are considering shape. Occasionally we see birds that have been awarded shape special that had duck breasts. We have seen pictures of such shaped birds with "shape special" printed under them. We have always contended that unless the females and males in the pens are considered in the awarding of shape and color specials, no breeder or exhibitor can justly advertise as having exhibited the best shaped or best colored male or female in the show.

A study of the S. C. pens also discloses a lesson to the amateur exhibitor—yes, two lessons. One exhibitor spoiled the chances of

FIRESTONE QUALITY

Rose Comb Reds

AT CHICAGO DECEMBER 1916

Again made a most remarkable winning which gives us one of the greatest lines of winners in America. Our 3rd old pen, 2nd young pen, 3rd cockerel, 5th hen, 4th cock, 1st cock and champion Rose Comb Red male, are all the modern shaped, dark, rich-colored, lustrous kind so much desired. At the great Panama-Pacific Exposition San Francisco, they competed against 900 Reds, 327 of them Rose Combs, coming from 16 different states, and under Judge Tucker, who has judged Reds at Chicago for years, and Judge Shove, who has judged the Reds at Boston and New York, and Judge Card, who also has judged at Boston and New York, our great exhibit at this big world's exposition won the

World's Championship

in a manner so convincing that no one can question it. Under the three greatest Red judges in the world our Reds made a win never equaled in any show of National importance by any breeder. They won 1 and 2 cock; 1, 2 and 5 hen; 1 ckl.; 1, 3 and 7 pullet; 1 and 4 breeding pen, winning every first prize, a feat never before accomplished by any R. C. Red breeder at any National Show. We also won Champion Red of the show, both males and females of both Rose and Single Combs competing; won special for best colored



First R. C. Red hen at World's Fair. Have 26 of her sons for sale.

male and best shaped male, for best colored female and best shaped female. Special for best Red male, trophy cup for best display of R. C. Reds, and cup for best display of Reds, both Rose and Single Combs competing. Our record this fall at five leading state fairs shows our Reds better than ever.

Our Champion S. C. Reds

Were also winners at the 1915 World's Fair, and this year we have produced over 1,000 head as fine in size, color, shape and head points as were ever bred on one farm. This fall, at the Iowa State Fair, in a class of 160, won three firsts, one second and one third. At Nebraska State Fair, in a class of 192, won four firsts, four seconds, and two thirds. At three other State Fairs won 16 firsts from a possible sixteen, in competition with 409 good S. C. Reds at the three fairs. Our customers in both Rose and S. C. Reds have been making great records already this fall and winter all over the United States and Canada.

Buff Orpingtons

Chicago and World's Fair Winners.

White Wyandottes

Winners in five states.

White Rocks

Winners in five states.

Barred Rocks

Winners in five states.

White Leghorns

Winners in five states.

Indian Runner, Mallard and Pekin Ducks, Geese, White Holland and Bronze Turkeys, are all bred by us on our 5,200 acre ranch, and the quality of all is as great as is our White Orpingtons and Reds, but space does not permit details.

Breeding pens of all our varieties have been mated since October 15, so can fill egg orders now. Free catalog and special sale price list.

THE 1733 RANCH RUSSELL F. PALMER, MANAGER
R. 6, Box 9, KEARNEY, NEB.



First Cock, St. Louis, November, 1914

four splendid colored pullets of typical R. I. Red shape by putting with them as a mate a Wyandotte-shaped male with a tail approaching "squirrel" shape. Another who entered two pens, had the makings of a hot pen, but he divided his four best pen pullets between the two pens. He said that he did it to strengthen the weak pen.

Mr. I. W. Bean, who judged these classes, took his time and did a thorough job. He had 42 strong cockerels to judge and when he placed the ribbons no one made the slightest objection. Mr. Bean has certainly made good as a judge of R. I. Reds. He expects to exhibit at both Boston and the Garden, and though he has sold heavily for the leading shows of the country, there is no doubt but that he will have 1917 Boston and Garden winners galore to head his 1917 breeding pens.

Mr. John B. Hendrickson, Ridgewood, N. J., carried off the major honors in the S. C. class, winning 1, 5 hens; 2 cockerels; 3, 5 pullets; 1 pen; best display. Mr. Hendrickson, in his career as a R. I. Red breeder, has shown many phenomenal Reds and has made notable winnings at the Garden, but his Palace string was the strongest he has shown to date, 1st hen being a wonder for color—just as dark as she was at the Garden last winter where she won as a pullet. His first pen will rank as one of the very best S. C. R. I. Red pens yet shown.

Imperial R. I. Red Farm, Irondequoit, N. Y., was in the winnings with a fine hen won second. This farm has 300 fine breeding birds to sell at reasonable prices.

Adirondack Poultry Yards, Corinth, N. Y., made a small entry, winning 4th cockerel, which is going some in such a strong class. This farm is always a prominent winner at the prominent shows. Their first prize S. C. Red hen at the New York State Fair this season, had the color of a pullet, although four years old.

China Hanchette, Verona, N. Y., breeder of R. C. and S. C. Reds, won a place with a very fine pen of S. C. Reds. Mr. Hanchette has a strain noted for its dark, even surface color, and for its blood, which would strengthen the best of flocks.

Lester Tompkins, Concord, Mass., the "noblest Roman of them all," was an interested visitor in the Red alley. It was whispered that Lester is grooming an unusual string for the Garden. He reported a big season thus far.

The Rose Comb Reds were a strong class, much stronger than the 1915 Palace classes. The quality was even throughout. The class was admirably handled by Frank Davey, superintendent of Owen Farms. His idea of color was good and we must compliment him upon his strict adherence to good R. I. Red type in placing his awards.

First pullet, owned by Harold Tompkins, Concord, Mass., was the gem of the class, and was considered the best Rose Comb female shown so far this season. First cock was a great bird in both shape and color. He won the following: 3 cock; 4, 5 hens; 1, 3 pullets; 1, 2 pens; best display in class, color and shape on females, and as this was the club meet of the Rhode Island Red Club

of America, he won the grand eastern trophy cup for best display of R. I. Reds, Rose and Single Combs competing. These, with his winning in the S. C. class—2, 3 pens; 3 cock; 2 pullet; shape specials for both male and female—makes his victory a remarkable one. Harold is a worthy son of his sire, Lester Tompkins, and has become a breeder of world-wide fame. He is very popular with his brother breeders and we hear none but good reports of his dealings with his customers. He is building a foundation which will endure for years to come.

Annesley M. Anderson, the veteran R. C. breeder of Morton, Pa., won several prizes on a small entry. Mr. Anderson is one of the few old-timers that seems to be able to keep up with the procession. No matter where he shows or how strong the competition, he generally lands in the ribbons year in and year out. He has been a winner at the Palace and the Garden, and has to his credit the reputation of having shown one of the best colored Rose Comb females that has appeared in the Garden. Mr. Anderson has some nice birds for sale and will have several strong pens from which to sell eggs.

The Rev. W. E. Mouteney, Stone Ave., Elmsford, N. Y., was an exhibitor in the R. C. Red classes. Mr. Mouteney was formerly a Golden Wyandotte breeder of note and has judged them at this show. Discarding the Goldens, he has become a breeder of R. C. and S. C. Reds exclusively, and has made some good winnings on both Rose and Single Comb birds. Mr. Mouteney is at present, probation officer for Westchester County, but he still gives plenty of attention to his poultry which is his hobby.

The Orpington Classes

The S. C. Buff Orpingtons were the largest of the Orpington classes, several phenomenal birds appearing, the star being 1st cockerel. Second cockerel was a fine colored Buff of nice shape. The Whites, while not so large, furnished several sensational birds—1st and 2nd pullets were stars of the first magnitude.

Owen Farms, Vineyard Haven, Mass., exhibited in these classes and won 1, 2 cocks; 1, 2, 4 hens; 2 cockerel; 1, 2 pullets; 1, 2 pens. Owen Farms was represented in several other classes, in fact, we learned from Mr. Delano that this has been their most successful season in furnishing winners for big and little shows all over the United States and Canada. They breed S. C. Reds, White and Buff Orpingtons, White Wyandottes, White Rocks, and S. C. White Leghorns. We were told by the owner of a prominent winner in the S. C. White Leghorn cockerel classes at a big show this season, that his bird was hatched from a setting of eggs secured from Owen Farms and he sold him for \$100.00 cash—proof positive that Owen Farms sends out their best, both in stock and hatching eggs. If you are in need of a winner or two for your show, address Owen Farms, 115 Williams St., Vineyard Haven, Mass., and we have no doubt that you will be furnished with the birds that will bring home the "bacon"—the ribbons.

Dark Cornish showed up well, there being a class of 19 cockerels exhibited.

Mr. Seth W. Morton, Albany, N. Y., exhibited some nice Black Javas. Mr. Mortou is the recognized authority on this sterling old breed and has done plenty of hard work to advance their interests in the eyes of the poultry world.

The Red Sussex classes were small, but the best female specimens of this fine, old English breed that we have yet handled, showed up in 1st and 2nd pullets, shown by Fort Alden Poultry Yards, Cherry Valley, N. Y., and they are American-bred at that. First hen, shown by same exhibitor, was also good. Mr. D. M. Green, proprietor of Fort Alden Poultry Yards, is no stranger to the fancy, having for several years, edited Poultry Husbandry, and he is recognized as authority on many matters pertaining to the scientific breeding of poultry. He was one of the earlier breeders of Columbian Plymouth Rocks, establishing a great reputation for them by showing and winning with birds that were an ornament to the show rooms of our largest exhibitions, and which attracted marked attention to the possibilities of the variety. Mr. Green has been conducting a weekly newspaper, which is the leading one in his county, and he is also operating a model poultry plant, where he is breeding Red Sussex exclusively. If you wish to know what Mr. Green has for sale and learn how he does things, we invite you to send for his attractive little mating list. You can have it by addressing a post card to Mr. D. M. Green, Cherry Valley, N. Y.

The Speckled Sussex made very pretty classes and the competition was keen between the winners.

D. Lincoln Orr and the Dictograph Poultry Farm made the White Faverolle alley of real live interest. The birds made a good impression.

Light Brahmas were up to Boston and Garden quality and were a handsome class. It seemed to me that we never before saw typical Light Brahma color and markings stand out so prominently. Harvey C. Wood, Box 75, Bound Brook, N. J., showed one of his famous strings and won as follows: 1 cock; 1, 2, 5 hens; 1, 2, 3 cockerels; 1, 2, 5 pullets; 1, 2 pens.

Black Langshans made up nice classes with good competition.

The Leghorns—White, Brown, Buff and Black

The classes of S. C. Brown Leghorns were interesting and strong with several sensational birds, notably 1st cock and 1st cockerel. Grove Hill Poultry Yards, Waltham, Mass., made a moderate-sized exhibit, winning in every class, including 1st hen and 1st cock. The latter was the champion of the show and admittedly the best S. C. Brown Leghorn male yet shown. Grove Hill Poultry Yards also breed Barred Plymouth Rocks that are widely known for their excellence. Mr. Cook, "Grove Hill's" competent manager, was present several days during the show and reported "big things" for Grove Hill. There is plenty of demand for all the high class birds they can produce, at prices that pay them. Mr. Cook is becoming very popular as a judge.

The R. C. Brown Leghorns were small classes but good birds were shown.

The S. C. White Leghorns are always

An Astounding Victory

12 BLUE RIBBONS at the Chicago Coliseum December 13-18, 1916



Coliseum Winners

S. C. WHITE LEGHORNS

Cocks	Hens	Ck's	Pullets	Old Pen	Young Pen
1	1	1	1	1	1
2	2	2	2	2	2
3		3	3		
4	4		4		
5					5

We scored 137 points. Our competitors 37.
We won all trophies and specials.
We won the D. W. Young Cup for 1st cock, 1st hen, 1st cockerel, 1st pullet.

SILVER CAMPINES

Cocks	Hens	Ck's	Pullets	Old Pen	Young Pen
1	1	1	1	1	1
2	2	2	2	2	2
3		3	3		
4	4				
5		5	5		

We scored 134 points. Our competitors 40.
For four consecutive years we have won the Coliseum Sweepstakes Championship.



STOCK—Beautifully conditioned for any show. Write for free literature.

HATCHING EGGS—From pens assembled by expert breeders. Write for Mating List.

BABY CHICKS—A mammoth incubator enables us to supply vigorous chicks at any time from any mating.

FRANK E. HERING, Proprietor,

D. H. WETMORE, Superintendent

South Bend, Indiana
Desk H

'hot' at the Palace and this year was no exception, many beautiful birds appearing among the winners. Fernbrook Farm surprised everybody by winning 2nd cockerel with one of the best S. C. White Leghorns ever shown. He is not all there yet, but he will be, and when he is all finished up, they will have to hunt some to find one that will beat him. We understand that some birds in these classes sold for long prices to go to other shows, a cockerel selling for a cool \$100.00.

The Buff Leghorns made the best show in their history. It was truly a beautiful class. Orange Poultry Yards, Manhasset, L. I., broke into other winnings, getting a hen, also a place with a fine cockerel, and 2nd hen.

S. C. Black Leghorns made fine classes and

competition was keen. Turtle Point Farm, Saratoga Springs, N. Y., got the best of it, winning 1, 3 cocks; 1, 3 hens; 1, 3 cockerels; 1, 3 pullets. Turtle Point Farm is widely known as the 'Home of the Leghorn.' They breed S. C. and R. C. White, S. C. and R. C. Brown, S. C. Black and Silver Duckwing Leghorns. This farm is owned by Wm. H. Manning, who is also superintendent of the New York State Fair Poultry Show. He is one of the big men in Democratic politics in the State of New York, having frequently been mentioned as good material for the state ticket.

The S. C. Black Minorcas were exceptionally good classes. Pratt Experimental Station showed some birds of remarkable size, winning every first. One of the best birds

in the whole class was second pen cockerel, owned by Dr. Chester E. Tracy. He was a model Minorca. The Rose Comb Blacks were small classes but good birds were shown; Pratt's Experiment Farm winning 1 cock; 1 hen; 1 cockerel; 1 pullet.

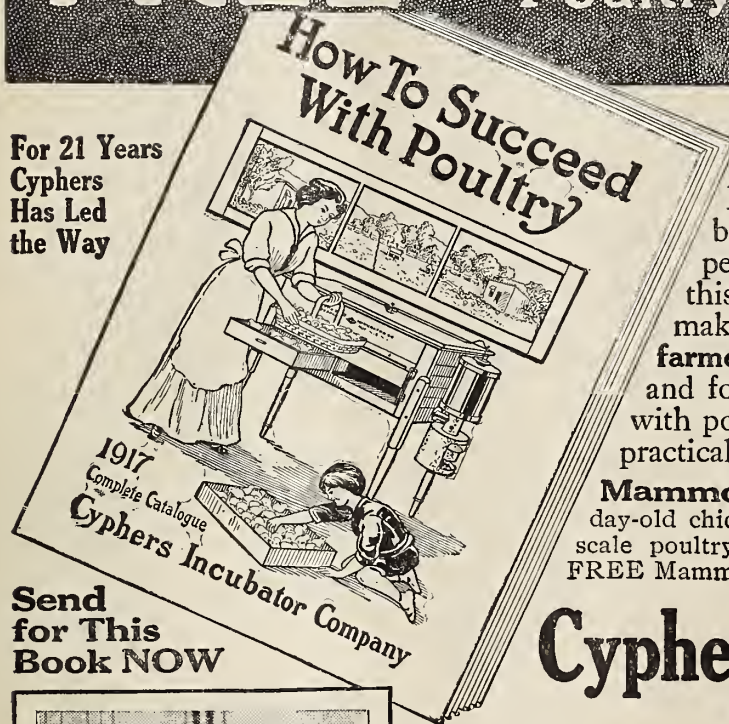
There was good competition in the Blue Andalusian classes, some very strong birds being shown. The Blue Andalusian seems to have attracted some very fine gentlemen to its standard, a good-natured rivalry existing between them. Among these may be mentioned Mr. E. D. Bird, Greenwich, Conn., who saw real merit in the Andalusians and did a great deal to advance them in popularity. He won the honors of the class in 1st cockerel, a very handsome fellow of fine color.

The S. C. Anconas were good strong classes

The Cyphers Poultry Book

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Cyphers
Has Led
the Way



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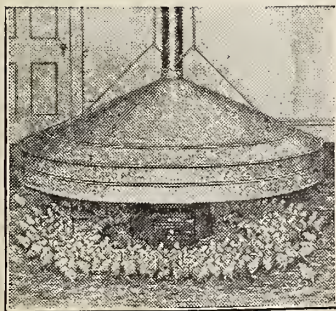
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Dept. 31

Home Office and Factory, BUFFALO, N.Y.

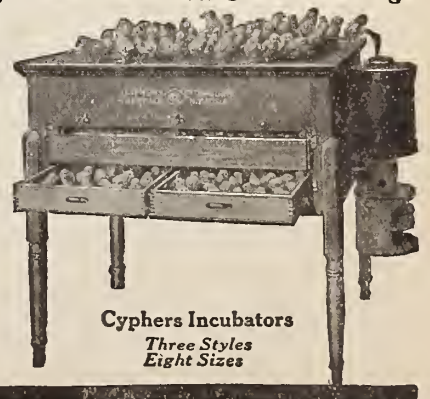
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Broods 300 to 1000 chicks at one time. Has automatic regulator and plenty of heat, no crowding. Raises strong, vigorous chicks, uses little fuel, and is simple and easy to operate. Fully described in our FREE Year Book. Write for it and get full details of Cyphers wonderful hovers, the best brooding devices you can buy anywhere, at any price.



Cyphers Incubators
Three Styles
Eight Sizes

and many fine shaped, fine colored birds were shown. From the aisle it would seem as though an artist had been at work on a male in the class, as the comb did not appear to be just as nature grew it. It strongly reminded us of a talk we heard at Mr. Cleveland's banquet at the Garden several years ago, when one of the English exhibitors in the course of his remarks said, "As for the combs, we never pay any attention to trying to breed for good combs, a good, sharp knife saves all that trouble." Of course, this is where the honest gentleman amateur exhibitor is up against it. To compete successfully, he will have to take lessons from the professional exhibitor in conditioning birds for showing.

The Silver Campines were out in force, and quality was the rule. Homestead Campine Poultry Farm, Box W, Wayland, Mass., ran away with the class, winning 1, 3, 4 cocks; 1, 3 hens; 1, 2, 3, 4 cockerels; 1, 2, 4 pullets; 1, 2 pens. Some win! This is still an interesting and valuable breed, both from a show and utility standpoint. Homestead Farm raises them in large numbers and one can always have his wants supplied by them. They are exceptionally strong in young birds this season and we would advise all who are interested, to send for their beautiful catalogue.

There were small but fair classes of Houdans; very small classes of Hamburgs, and a big class of Buttercups.

The Buttercups are ridiculed by many but their admirers are also many and they generally make up one of the big classes of the big shows.

We do not know very much about ducks or bantams, but evidently there were some good ones entered as there seemed considerable interest in the water fowl and bantam alleys.

There was a very good show of pigeons.

There were fine displays of incubators, brooders, poultry foods and various poultry supplies that drew interested crowds of earnest seekers after the best in the market.

The Buckeye Incubator Co., 235 Euclid Ave., Springfield, Ohio, had several machines in operation that demonstrated the excellent hatching ability of the old Buckeye machine. An incubator in operation never fails to attract a great many interested people. The Standard colony brooder, sold by the Buckeye Incubator Company, is making a great reputation. It is reported to take care of 1,000 chicks at a cost of six cents per day. The use of these coal heated colony brooders is already wide spread and the Buckeye people report excellent sales.

In the Pratt Food Company's booth were displayed their feed and medicines. They had a "living example" of the value of Pratt's food in the R. C. and S. C. Black Minorcas that were bred on Pratt's Experimental Farm. They received many compliments on their poultry display. Their foods are sold everywhere, but if your local dealer does not happen to be supplied, full information and prices can be obtained by addressing Pratt Food Co., Philadelphia, Pa.

One of the most popular booths was that in which the Cyphers Incubator Co., Dept. 31, Home Office and Factory, Buffalo, N. Y., displayed its well-known line of goods. We chanced to over-hear two men talking at the Palace Show. One of them apologized for breaking up the conversation by saying he had to go over to the Cyphers Incubator Company's booth to buy some things. The other man asked him if he made a practice of buying from the Cyphers Company, to which he replied, "Yes, I have dealt with the Cyphers Company exclusively of late years. We use their incubators to hatch our chicks, their brooders to raise them and their feed to grow them. I have great faith in the Cyphers Incubator Company's goods." We have traveled over the eastern, southern and middle-west states in connection with our poultry journal work and it was a part of our business to note the standing of the various incubator and poultry supply manufacturers and dealers, and it is a pleasure to bear testimony to the high regard in which the goods manufactured by the Cyphers Incubator Company are held. We hear many times, that to hatch and raise chicks the "Cyphers way" means success.

Winings of A. P. W. Advertisers

BARRED PLYMOUTH ROCKS — O. B. Andrews, Chattanooga, Tenn., 3 exhibition cock; 2 exhibition hen; 1, 2 exhibition pullets; 2 exhibition pen; 2 pullet-bred cock; 4 pullet-bred cockerel; 5 cockerel-bred pullet.

WHITE PLYMOUTH ROCKS — Wilburtha Poultry Farms, 32 River Road, Trenton Junction, N. J., 2, 4 cocks; 2 hen; 1 cockerel; 3,

5 pullets; 1 pen. Dr. Chester E. Tracy, Castleton, N. Y., 5 hen; 1 pullet.

BUFF PLYMOUTH ROCKS — C. R. Baker, Box W, Abilene, Kan., 3 cock; 5 hen; 1 cockerel. James H. Vincent, Box W, Hazleton, Pa., 2, 4 hens; 2 cockerel.

SILVER WYANDOTTES — J. Frank Van Alstyne, R. F. D., Castleton, N. Y., 1 pullet.

WHITE WYANDOTTES — Fernbrook Farm, Box C, Menands Road, Albany, N. Y., 1, 3 cocks; 3, 5 hens; 1, 2 cockerels; 1, 3, 5 pullets; 1, 4 pens.

BUFF WYANDOTTES — Stuart A. Howland, Granville, N. Y., 2 cock; 1 hen; 3, 4 cockerels; 2 pullet; 1 pen.

COLUMBIAN WYANDOTTES — Levi A. Ayres, Box B, Granville, N. Y., 2, 3 cocks; 1, 4 hens; 2, 3, 4, 5 cockerels; 1, 2 pullets; 1, 2 pens.

S. C. RHODE ISLAND REDS — John B. Hendrickson, Ridgwood, N. J., 1, 5 hens; 2 cockerel; 3, 5 pullets; 1 pen. Imperial R. I. Red Farm, Irondequoit, N. Y., 2 hen. Harold Tompkins, Concord, Mass., 2 pullet; 2, 3 pens. Adirondack Poultry Yards, Corinth, N. Y., 4 cockerel.

R. C. RHODE ISLAND REDS — Harold Tompkins, 2, 3 cocks; 1, 3, 4, 5 hens; 5 cockerel; 1, 3 pullets; 1, 2 pens. Annesley M. Anderson, Morton, Pa., 5 pullet; 4 pen.

BLACK JAVAS — Seth W. Morton, Box 124, Albany, N. Y., 1, 2 hens; 1, 2 cockerels; 1, 2 pullets.

MOTTLED JAVAS — Seth W. Morton, 1, 2 hens.

S. C. WHITE ORPINGTONS — Owen Farms, 115 William St., Vineyard Haven, Mass., 1, 2 cocks; 1, 2, 4 hens; 2, 5 cockerels; 1, 2, 3 pullets; 1, 2 pens.

DARK CORNISH — John W. Ward, Box 6, Pennington, N. J., 3 cock; 3, 4, 5 hens; 4, 5 cockerels; 3, 4, 5 pullets; 2, 3, 4 pens. Mountville Farms, Pine Road, Loudoun Co., Mountville, Va., 5 cock.

RED SUSSEX — Fort Alden Poultry Yards, Cherry Valley, N. Y., 1 hen; 1, 2 pullets.

LIGHT BRAHMAS — Harvey C. Wood, Box 75, Bound Brook, N. J., 1 cock; 1, 2, 5 hens; 1, 2, 3 cockerels; 1, 2, 5 pullets; 1, 3 pens.

DARK BRAHMAS — Riverdale Poultry Farm, Riverdale, N. J., 1 cock; 1, 2, hens; 1 cockerel; 2 pullet.

S. C. BROWN LEGHORNS — Grove Hill Poultry Yards, Box 804, Waltham, Mass., 1 cock; 1 hen; 2, 5 cockerels; 5 pullet; 2 pen. Homestead Campine Farms, Box W, Wayland, Mass., 3 cockerel.

R. C. BROWN LEGHORNS — W. W. Kulp, Box 12, Pottstown, Pa., 1 cock; 2, 4 hens; 1, 3 cockerels; 4 pullet; 1 pen.

S. C. WHITE LEGHORNS — Fernbrook Farm, 2 cockerel.

S. C. BUFF LEGHORNS — Orange Poultry Yards, Manhasset, L. I., 1 hen; 3 cockerel; 2 pen.

S. C. BLACK LEGHORNS — Turtle Point Farm, Poultry Dept., Saratoga Springs, N. Y., 1, 2 cocks; 1, 3 hens; 1, 3 cockerels; 1, 3 pullets.

SILVER DUCKWING LEGHORNS — Turtle Point Farm, 2 cock; 1 hen; 1 pullet.

S. C. BLACK MINORCAS — Dr. Chester E. Tracy, 3 cock; 4 pullet; 2 pen.

S. C. BLUE ANDALUSIANS — E. D. Bird, Greenwich, Conn., 2 cock; 3 hen; 1 cockerel; 2 pen.

SILVER CAMPINES — Homestead Campine Farms, 1, 3, 4 cocks; 1, 3 hens; 1, 2, 3, 4 cockerels; 1, 2, 4 pullets; 1, 2 pens.

GOLDEN PENCILLED HAMBURG — F. L. Platt, Swanton, Ohio, 1 cockerel; 1, 2 pullets.

INDIAN RUNNER DUCKS — John Slade, Malvern, Pa., 1 (old) drake; 2 (young) drake.

BANTAMS, LIGHT BRAHMA — Harvey C. Wood, 1, 2, 4 cocks; 4 hen; 1, 5 cockerels; 1, 3 pullets; 1 pen.

"DIG FOR DETROIT"

The National White Wyandotte Club wants all its members to "dig for Detroit," for that is where they are to hold the national meeting of the club, Jan. 9-14, in connection with the Detroit Poultry Show. The club and the show management offer \$270 in prize money. L. J. Demberger will judge the Wyandottes. The secretary of the Detroit show, who will send premium list on request, is Fred M. Grove, of Owosso, Mich. S. C. Babbie, of New Cumberland, Pa., is secretary-treasurer of the National Wyandotte Club.

SINGLE COMB RHODE ISLAND REDS

The result of twenty years continuous breeding of this variety.

WRITE ME FOR PRICES ON STOCK AND EGGS.

GEO. L. BUELL,

LORAIN, OHIO

Rose PRINCESS REDS Single

Win at Greater Buffalo Show on Rose Combs, 1st and 3rd pen, 1st cock, 2nd hen, 4th cockerel. Single Combs, 1st pen, 5th cock, 5th cockerel. Old and young stock of the highest quality at reasonable prices. We are now booking egg orders for future delivery. \$5.00 gets the best. Write for mating list.

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WOLCOTT, N. Y.

PRODUCE WINTER EGGS

AT HALF USUAL COST

A Collins Oat Sprouter Sells for Only \$3

but saves its price almost every day on the average feed bill.

The Feeding of Sprouted Oats Grown in a Collins Oat Sprouter Increases Egg Yield, Cuts Feed Bill, Insures Healthy Hens, Provides Quickly, Fresh, Sweet, Green Feed and

MAKES YOUR HENS HEAVY WINTER LAYERS

The Collins is the most satisfactory, quick sprouting grain sprouter on the market at any price.

Made of all Galvanized Steel. Each part lifts off separately fireless, set beside furnace, range or window. Three sizes; the Popular Size, 8 pans, 11x15 in., at \$3; Small Back Yard Flock Size, 5 pans, 11x15 in., \$2; the Big Breeders Size 8 pans, 11x32 in., \$6.00. Delivered Free East of Miss. R. West of River add 50c. West of Rockies add \$1.00.

NO ADVANCE IN PRICE So Long As Present Supply of Metal Holds Out—BUT ORDER NOW—ADVANCE MUST COME SOON.

My Sprouter must give you complete satisfaction or I Refund Money after Ten Days Free Trial. Could you ask anything more fair?

J. A. Goodfellow, Flint, Mich., writes: "Your Oat Sprouter is certainly fine. I sprouted oats in about 4 or 5 days. Last winter we had from 35 to 45 eggs per day from 54 Pullets."

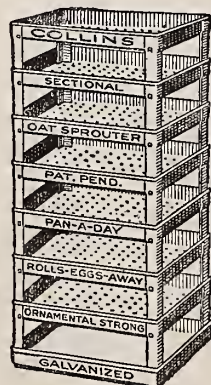
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New York



Write for circulars and prices in quantities.

Government Work For Poultry



Conducted by Homer W. Jackson, Special Contributor

THE EFFICIENCY OF MILK PRODUCTS IN POULTRY RATIONS

One of the Best Foods That Can be Given to Fowls is Milk in Any Form, Sweet, Sour or Powdered. It is Especially Valuable in Feeding Young Chicks

Willard C. Thompson, of the New Jersey Station has an interesting article on the above subject in a recent issue of the Journal of the American Association of Instructors and Investigators in Poultry Husbandry from which the following extracts are taken.

"In the majority of tests made at the New Jersey Station, sour skim-milk has been the form which has received the most attention. Skimmed milk is a by-product on many farms where the hand separator is used, and a purchasable by-product from many city supplying dairies and butter creameries. It contains the great majority of the protein food-stuffs which are to be found in the whole milk, the separation removing fats primarily. These proteins are in the form of casein and albumen mainly. Snyder's Dairy Chemistry gives the following approximate composition of skim-milk:

Water	90.25%
Fat	0.20%
Casein and Albumen	3.60%
Milk Sugar	5.15%
Ash	0.80%

"In the process of souring, certain changes take place, the most important of which are a breaking down of some of the proteins into casein lactates and other forms, and a transfer of about one per cent. of the milk sugar into lactic acid. Soured skim-milk is usually advised rather than the sweet because of the greater uniformity of the product which would be fed under average farm conditions, it being almost impossible to keep milk sweet during the hot months, and, further, because of the apparently greater palatability and easier digestibility of the soured product, especially for young chicks.

I believe it was Dr. Shaw, of McGill University, who told us two years ago that the

enzymes and ferments secreted along the digestive tracts of very young chicks could not properly digest sweet milk, but that they could handle the products produced by the souring of the milk. For mature birds as well, it is undoubtedly true that sour skim-milk is much more quickly digested than the sweet milk. In deciding between the sweet and sour forms of skim-milk to use for the various experiments there were then, both practical and scientific reasons why the latter was chosen. The sour skim-milk could be easily maintained in uniform condition, and alternation with sweet milk was deemed inadvisable, and the nature of the foodstuffs in the sour milk was considered better for feeding purposes.

"A careful analysis of the records of weights, food consumption, and general condition of all flocks in the experiments seemed to warrant the following conclusions:

"Sour skim-milk appears to be a very palatable food for young chicks. There did not appear to be any appreciable difference between the palatability of the naturally soured skim-milk and the Bulgarian milk, as all chicks receiving milk of either kind, appeared to be very fond of it.

"The sour skim-milk formed a source of easily digested protein, a material that is most essential to the uniform and continuous development of the chick, its body very largely being of protein nature.

"The chicks receiving sour skim-milk consumed a larger amount of mash, and on the average, more grain. This increased consumption of food resulted in a materially increased growth. The sour skim-milk seemed to increase the appetite and consequently the consumption of food and the power of the chicks to use greater amounts of food economically.

"Chicks receiving the sour skim-milk made a larger and more uniform gain than those

that did not get the milk in their ration. In the two pens that did not receive sour skim-milk of any kind, the chicks were noticeably uneven at the close of the period of observation, whereas the chicks in the remaining eight pens were considered to be almost uniform.

"The milk-fed chicks appeared brighter and healthier at the close of the tenth week than did the others.

"There was little, if any, difference between the chicks that received the naturally soured milk and those that received the Bulgarian milk.

"The boiling and preparation of the Bulgarian skim-milk necessitated taking considerable time and labor each day for which there appeared to be no extra benefit.

"There was lower mortality in all milk-fed pens than in the check pens.

"No attempt was made to determine the added cost of the milk-fed chicks, but every analysis of the results indicated that the use of sour skim-milk many times more than paid for the cost of the same, measured by the condition and quality of the chick produced.

"Somewhat over a year ago, the other series of experiments were started, covering the proposition of supplementing the rations of laying hens with a free supply of sour skim-milk. At the Station farm, there was a large flock of several hundred splendid S. C. W. Leghorn pullets, hatched in February and,

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IMPERIAL S. C. REDS

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AT
NEW YORK

In the largest class of Reds ever shown at the Palace and the largest class in the show, we entered one hen and won second place. We have 500 head of old and young stock of our laying and prize winning strain for sale. Cocks and Cockerels \$5.00 and up. Hens and Pullets \$2.50 and up.

IMPERIAL R. I. RED FARM, BOX W, IRONDEQUOIT, N. Y.



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U. R. Fishel's White Plymouth Rocks

have won the most coveted prizes. Bred in line for nearly thirty years. I have several thousand to select from, therefore, am in a position to give you Value and Blood Lines you cannot secure elsewhere. Head your flock with a Fishel male bird and stamp on your birds that superior quality the Fishel White Plymouth Rocks are noted for.

Select Breeders, Exhibition Birds and Utility Fowls.

Price List free.

Eggs for hatching. Baby Chicks.

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U. R. FISHEL, Box B, HOPE, INDIANA

therefore, well developed and ready to move into laying quarters by the first of August. From this flock two hundred of the best pullets were selected and divided into equal sized flocks. Both were housed and cared for under exactly the same conditions and both received the regulation New Jersey State rations. One pen, No. 22, received free access to an open pan of sour skim-milk, being allowed to consume as much as they desired. This pan was carefully watched and never allowed to become empty. This supplementary sour skim-milk was the only varying factor in so far as we could judge. These birds were managed in this way for one year, accurate records being kept of all food consumed and eggs laid.

"The figures indicating the results of this work are very interesting. The birds, which did not get any milk, produced 8,383 eggs, as compared with 12,044 in the other pen, a difference of 3,661 eggs. Those receiving the milk, consumed food costing \$125.66, while the other rations cost but \$99.21, but the much larger egg production in the milk-fed pen far overbalanced this and resulted in an increased profit of \$146.43 in favor of the milk-fed birds. The sour skim-milk consumed by Pen No. 22 was valued at \$9.50. These figures were obtained by using grain prices as they actually occurred and the wholesale New York prices for eggs averaged for each month.

"In another pen, containing two hundred pullets from the same flock as were those just mentioned, sour skim-milk was given in the same manner as to Pen 22, kept before the birds in open pans at all times. It was noticed that during the season of highest egg production, the consumption of sour skim-milk was very heavy, some days reaching over forty quarts. These birds made excellent records, averaging one hundred and thirty-eight eggs per bird for the year, extending from August to August, and returning a profit per bird of two dollars and twenty-two cents above feed. No check pen was run along with this pen, but it was very evident that the consumption of the milk had materially affected the lay of the flock.

"In both these pens, receiving supplementary sour skim-milk, the health of the birds was a source of marvel throughout the year, all birds seeming to be in the best of health and robust and vigorous at all times. The general results of the feeding of the sour skim-milk were measured, then, both by the health and the production of the birds."

As a proof of the high value of sour milk for fowls, this experiment is very effective and should encourage every one who can do so to use milk freely and with chickens of all ages, from day-old up to adults.

I am not able to "take it for granted", as Prof. Thompson appears to do, that sour milk is more digestible than sweet. The belief that chicks lack the necessary enzymes for the digestion of sweet milk dates back a good deal farther than two years ago, but it appears to be based largely on theoretical grounds. The only definite experiments with sweet milk and sour milk that I am able to recall were made at Storrs and reported in Bulletin No. 80. In this Bulletin, the statement was made that no difference was noticed between the chicks getting sweet milk and those getting sour milk. With the results of this Storrs's experiment before us, it is not safe to say that sweet milk is less digestible than sour.

Neither is it by any means certain that feeding sweet and sour milk alternately is injurious. In the absence of definite information, it is the part of wisdom to stick to one or the other. But let us hope that some one will become sufficiently interested in these simple but very practical problems to give us proof for our theories.

Ferris Leghorns Lay Winter Eggs



TO GET EGGS NOW

when common hens do not lay, you must have stock that has been bred from several generations of winter-laying hens.

For seventeen years Ferris White Leghorns have been bred to lay more eggs at all seasons than ordinary hens, and to lay particularly well in winter when eggs are highest. We do not breed from hens that are not good winter layers. We can't afford to, for with one of the largest poultry farms in the country we must have winter eggs to make it pay.

Thousands of poultry keepers in all parts of the country are having unusual success with Ferris stock; hundreds of customers in Canada also, and we have made successful shipments to Scotland, Germany, Japan, Australia, Nicaragua, Alaska, Philippine Islands, Bermuda, Cuba and Mexico. We guarantee safe arrival anywhere. Here is a letter from Alaska showing that we can ship safely any distance:

Ketchikan, Alaska, Nov. 8, 1916.

Dear Sir:—The cock bird and three hens received in fine shape. Eggs in coop and still laying. Am very well satisfied. I am quite sure if a man looked the country over from coast to coast he would not find a breeder that treats his customers any better than you do. Any future business I will send it along, you can rest assured. Thanking you many times, I am

Yours very truly,

A. P. CRAIG.

ALL STOCK IS SHIPPED ON APPROVAL. You can return within three days any birds not satisfactory and money will be refunded. (We will ship C. O. D. if you want to see the birds before paying for them. Send only \$1.50 for a pen of five, and 20 cents each for larger numbers to guarantee express charges.) We insure all stock for 30 days. Any birds that die or get out of condition will be replaced free of charge. Their breeding value is also guaranteed. Any male that does not produce fertile eggs, any hen that does not lay hatchable, good shaped eggs will be replaced free.

We have three grades of laying stock. Stock from our heaviest laying hens with trap-nested records of 230 to 264 eggs will cost as follows:



EARLY HATCHED COCKERELS \$10.00 each, \$9.00 each for 10 or more. Yearling hens or early pullets \$5.00 each. One male, 2 females, \$20.00; 1 male, 4 females, \$30.00; 1 male, 8 females, \$45.00; 1 male, 12 females, \$60.00; 6 males, 100 females, \$400.00. Eggs for hatching, \$5.00 per setting, \$25.00 per 100, \$200.00 per 1000. Day-old chicks, \$50.00 per 100, \$400 per 1000.

STOCK FROM HENS WITH RECORDS of 200 or 230 eggs—the kind we recommend for breeding and laying where large flocks are required: Early hatched cockerels, \$6.00 each, \$5.00 each for 10 or more. Early pullets or yearling hens, \$3.00 each; 4 females, 1 male, \$18.00; 12 females, 1 male, \$40.00; 100 females, 6 males, \$280.00; 100 females without males, \$250.00. Eggs \$2.75 per setting, \$15.00 per 100, \$125.00 per 1000. Chicks, \$40.00 per 100, \$250.00 per 1000.

UTILITY STOCK FOR LAYING AND BREEDING. Not bred directly from trap-nested stock, but from stock that we can guarantee to be better than the average. Cockerels \$3.00 each, \$2.50 each for 10 or more. Hens \$1.65 each, \$150.00 per 100. Pullets \$2.00 each, \$170.00 per 100. 4 hens, 1 cockerel, \$9.60; 12 hens, 1 cockerel, \$22.50. Eggs \$1.50 per setting, \$7.50 per 100, \$70.00 per 1000. Chicks, \$15.00 per 100, \$130.00 per 1000.

EXHIBITION BIRDS THAT WILL WIN ANYWHERE. Ferris White Leghorns have been winning for many years at nearly all the leading shows. They will win for you wherever you want to exhibit. We have hundreds of cockerels, pullets, hens and cock birds to sell that are extra good. The prices are from \$15 up for males and from \$7.50 up for females. Their plumage is absolutely white, their shape is just right in those points that the leading judges are most particular about. Their heads are ideal with smooth 5-point combs, wattles of proper shape and texture, smooth, pure white ear lobes. Long backs and low well-spread tails and other good points make them easy winners in strongest competition. You must see them to know how perfect they are in all points. Remember we will be glad to ship C. O. D. and on approval. We also guarantee them to win. See catalog for list of winnings and particulars.

THIS 1917 CATALOG IS FREE

Send for your copy today. It describes fully the stock, eggs and chicks quoted above. Contains photos showing 35 acres of White Leghorns; describes our methods of feed and care; how we improve laying qualities; list of winnings at 20 big shows; many letters from customers; prices of exhibition, breeding and laying stock, eggs for hatching and day-old chicks. Even if you are not now in the market for stock we will be glad to send you a copy. Mail postal now while you have the matter in mind.

**GEORGE B. FERRIS,
FERRIS LEGHORN FARM**

908 Union Avenue, Grand Rapids, Mich.

SIXTH NATIONAL MISSOURI EGG LAYING CONTEST

The sixth national egg laying contest, held at Mountain Grove, Mo., under Director C. T. Patterson, began November 1st, 1916, with 58 pens representing 12 states and 24 varieties. Seven varieties were included in the ten highest pens for November as follows:

Pen	Eggs
35 White Wyandotte, Missouri.....	108
31 White Wyandottes, New York.....	107
27 Buff Orpingtons, Missouri.....	100
22 R. C. Reds, Missouri.....	81
52 S. C. White Leghorns, Missouri.....	80
12 White Plymouth Rocks, Illinois.....	74
47 Anconas, Missouri.....	70
19 R. C. R. I. Whites, New Jersey.....	68
56 S. C. W. Leghorns, Pennsylvania.....	67
18 R. C. Reds, Missouri.....	66

Nineteen hens occupy the five highest places to date. Five of them laid 22 eggs; seven laid 23 eggs; three, 24 eggs; three, 25 eggs; and one, a White Wyandotte, hen 4, pen 35, laid 27 eggs.

Each pen contains five pullets and one substitute. The substitute is kept in the yard with the pen so that if one dies the substitute record can be used in place of the record of the dead bird.

The pullets were in average condition at the beginning of the contest though some were quite immature. The 290 pullets laid 2,166 eggs during November, or an average of almost 7.5, which is the highest made in any contest in the month of November. The average for the five previous contests was 4.5. The pen of White Wyandottes won the cup for November with a record of 108 eggs.

The November report contains the following about the pedigree system used in Mountain Grove:

Owing to the many questions asked concerning the keeping of pedigree records, we believe an explanation of the pedigree system used at this place will be of interest to all who intend to keep records of their breeding yards next year.

The success of any institution depends to a great extent upon the system of operation and system of records. The two most important points to be considered are accuracy and simplicity.

It is necessary for all poultry breeders who do accurate breeding to adopt some method or system of keeping records and the less complication, the greater the value of the system.

The Missouri State Poultry Experiment Station is all under one system of band numbers, which is as follows: All pens are numbered, the male in each pen bears the same number as the pen, and each hen bears the same number and in addition her individual number is to the right. To illustrate—pen No. 147, contains male No. 147, and females from 1470 to 1479 inclusive, there being ten females in each breeding pen, where hens and pullets are used in the same pen, the first five are hens and the last five are pullets. Hide the right hand figure of a hen's number and you have the pen number, also the male's number in that pen. One yard may contain a number of pens but this does not break the numbering system. If any bird gets out of the pen, the number tells where it belongs, which saves much time referring to records.

Each hen is caught in a trapnet when she goes on to the nest to lay, and upon being released, her band number is placed on the egg. It will be seen that an egg marked 1472 is from hen 2 in pen 147 and fertilized by male 147, while 1476 is from pullet 6 in pen 147 and fertilized by male 147.

When the egg is incubated and the chick hatched in pedigree tray, the number on the egg is placed on the chick's leg band and as soon as the band needs loosening because of the chick's leg growing, the band is placed in the chick's wing where it remains permanently. Thus the pedigree band is in the wing which will prevent confusing the pullet with the hen which has her band on the leg.

Breeders who do not mate more than ten pens should number their pens next year,

170 to 179 inclusive, and the next year, number the pens from 180 to 189 inclusive, etc. The two figures to the left represent the year. Where records are kept in this way, any bird which has pedigree band 1734 is from pen 173, male 173, hen 4, and hatched in '17, while pedigree band 1878, is from pen 187, male 187, pullet 8, and hatched in '18. The one simple number tells the year, pen, sire, dam, of each egg or chick so numbered.

The only handicap with this system is the stamping the numbers on the chick bands, which is done with small steel dies, but this is over-balanced by the value of being able to tell the pedigree of any egg, chick or mature bird at any time without referring to records.

Band numbers from 170 to 200 for males, and numbers from 1700 to 2000 for females is a complete set of bands for ten breeding pens for three years, 170-179 to be used in 1917, 180-189 in 1918 and 190-199 in 1919.

POULTRY THIEVES ACTIVE

From the latest pamphlet of the Extension Service of the R. I. State College, Kingston, R. I., we quote the following, which is of general interest:

Losses from theft is a most discouraging feature of the poultry business. During the Thanksgiving and the Christmas holidays, thieves are generally the most numerous and active. Several losses have recently been reported and a large number of chickens, fowls and turkeys have been taken. In one instance, the haul of the thieves was valued at six hundred dollars. Few poultry yards escape these depredations, the larger and fatter the birds, the more of them the thieves will carry away.

A hen thief is no respecter of persons; it does not matter to him whether the owner is rich or poor or whether or not the hens are the support of the aged and infirm. Neither does it matter to him if the birds are show stock and valued at many times the worth of market poultry, their necks are wrung and they go for meat.

Some who formerly kept large numbers of poultry have gone out of the business because their best birds were stolen, others are sorely puzzled what to do. Never before have losses been so large and so frequent. Auto-trucks have made it possible for thieves to get away with a load quickly and we cannot track them as we could a horse and wagon.

The poultry committee of the Southern Rhode Island Farm Bureau has recently formulated a plan which, if adopted, will have a tendency to lessen, if not entirely stop, poultry thieving in this state. They propose to organize a Poultry Growers' Protective Association and secure members in every town, and officers in every county. Detectives will be pledged to work on every case of theft from a member of the association and a standing reward will be offered for the arrest and conviction of the thief. The association will also make it their business to see that those convicted of hen thieving shall get the maximum rather than the minimum sentence. A system of marking is now being perfected whereby the stolen poultry may be identified when found, dead or alive.

A constitution for this Poultry Growers' Protective Association has been prepared and a meeting of those interested was called for December 6th at Infantry Hall, Providence, during the annual exhibition of the R. I. Poultry Association. We shall be glad to report their success in these columns, in order that other associations may profit by their experience.

AMERICAN COLUMBIAN PLYMOUTH ROCK CLUB

The new officers of the American Columbian Plymouth Rock Club are: Mr. T. J. Enslin, president; Percy Miller, W. W. Young, Geo. F. Leach, vice-presidents; J. Fred Walters, secretary-treasurer, 410 Hays Ave., Mt. Oliver Station, Pittsburgh, Pa. The secretary is already busy making plans for getting out an attractive club catalogue which will contain articles by several successful breeders of Columbian Rocks, also cuts of prize-winning birds and lists of members. Those who have not yet paid their annual dues are requested to remit without delay and those who are not now members should send for application blanks at once. A large and

progressive specialty club can be and is of far more value to its members than it costs them. Do not wait for your neighbor, put your shoulder to the wheel and do your share.

The sixth annual mid-winter show of the Dixie Poultry Association will be held at Montgomery, Alabama, Jan. 23-29. It has been selected as the official A. P. A. show of Alabama which means that the A. P. A. medals and diplomas will be awarded to the standard winners. The Alabama State Breeders' Association will hold its show in connection with the Dixie Poultry Association, and will hold a special meeting Thursday night of show week. For full information, write Mr. Robert West, secretary, Montgomery, Alabama.

The South Florida Fair and Gasparilla Poultry Show will be held Feb. 2-10, at Tampa, Fla. Loring Brown and Henry Dipple will place the awards. Mr. H. F. Reils is superintendent. For full particulars address Mr. A. L. Allen, secretary, Tampa, Fla.

We are in receipt of a copy of Number I, Volume I, of the Wyandotte Journal, issued at Milton, Wis. Those who are interested in Wyandottes of any variety should send for a sample copy.

Write For Jim Rohan's Big Free Poultry Book "Hatching Facts"



It is filled from cover to cover with facts, proofs and information that will start you right. It tells how you can be successful raising chickens. It shows hundreds of actual photographs and letters from delighted users.

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Write for Jim Rohan's Big Free Poultry Book "Hatching Facts" everywhere who have made big money year after year and won many prizes, including the Silver "Tyco's" Cup. Tells how E. F. Watermyer of Penn. received First Prize in "Poultry Items" 1916 Hatching Contest for two 100% hatches made with his—

World's Champion Belle City Incubator

Exact Duplicates of Which I Now Offer to You
"Sooner or Later—Your Incubator"

The incubator that is automatically self-regulated and self-ventilated—equipped with patented thermometer holder—round cornered, non-leakable copper heating tank and big safety lamp. The incubator with the Paragon Board construction, that has led the field for over ten years.

The Choice of America's Successful Poultry Raisers
The kind used by Uncle Sam and leading Agricultural Colleges. The incubator that is built to serve you best.

Easy to run—Small in cost—Big in results, will put you in the Championship class from the start. Sales to date over 524,000.—My book fully describes and shows, in colors, my incubator and brooder,—and tells all about

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Before you buy a hatching outfit these details will be valuable to you as will also the particulars of

My \$1000 Gold Offers

The chance of a lifetime to make extra money with a hatching outfit—Belle City users are money makers year after year.—"If incubates in all states."—What I have done for others, I can easily do for you. Write me today for this big Free Book. Jim Rohan, Pres.

Belle City Incubator Co., Box 117, Racine, Wis.



INTERESTING STORY OF A SUCCESSFUL RHODE ISLAND RED BREEDER

By Harold Tompkins

(Continued from page 111)

beginner should select some reliable breeder who has been in the poultry business for a long time and secure his foundation stock from him, for such a breeder will have well-established blood lines of his own and as a general rule his flock will have great prepotency, or the capability of producing high-grade stock when introduced into any flock.

In mating our Reds I have a method which I have followed year after year with very good results.

First, I select the male bird which is to head a breeding pen and study carefully his weak points as well as his strong ones. With these points firmly fixed in your mind select the females, being sure to have them over-strong where the male is weak. If he is over-strong in some points due allowance can be made in the females, but always be sure that the backs of the females are as dark as the breast color of the males, the same as you find in a good exhibition pen. In this way you will obtain less off colored chicks from a good mating than if the male is mated to light females.

In the past several seasons I have mated eight pens of Rose and eight Single Comb birds for breeding high grade stock and the utility qualities are

prominent in these show birds as well as in my fancy selected pens which are mated for stock improvement purposes and heavy laying.

In these pens there are about 160 females, about one-half hens and one-half pullets, selected according to their breeding qualities and they are mated to high grade males of show calibre. I have found that a first class show male mated to first class show females do not always produce the best show stock, for too much strength of color is liable to result and the black crops out on wing, bow and hackles.

It has always been my endeavor to mate my pens to produce the very best possible results and I have offered hatching eggs to the public at reasonable prices, according to the strength of the mating. Customers have the privilege of coming here and picking out the eggs they desire, for I firmly believe life is too short and uncertain to take advantage of a fellow breeder by giving him something that is inferior to what he wants. All stock shipped from my farm goes out strictly on approval, and when an order is filled I want to feel sure that the customer will be satisfied. If I find it impossible to satisfy him, then I wish to return his money by the first mail leaving Concord after the birds arrive home.

I am happy to say, as stated before, that I have very few birds returned and as a rule they are the lowest grade of stock that I will sell. I have found it a safe plan to leave it to the customer to be the final judge of whether

or not he gets full value for his money. This means that I have placed no extra work on the secretaries of specialty clubs or on poultry journals in straightening out business tangles between customers and breeder.

A breeder should follow the rule of honestly writing the customer if he does not have the proper stock to sell, rather than to send inferior stock to fill orders for good stock.

As I raise about 1,000 to 1,200 chicks each year and plan to have them come out of small lots each week from March 1st to June 1st, I can accommodate my customers who wish to secure some of my best eggs.

My selected matings are as carefully put together as the best ones, and as I sell all off-colored pullets in the fall for utility purposes, the specimens in these selected pens are first class breeders and are mated to high class males, which will be heard from in the show room the following year.

Visitors are welcome at our farm at all times and we thoroughly enjoy helping our customers whenever possible. I believe there is no one who has asked me for advice concerning Reds that has ever gone away without getting an "ear full" of our own personal experience on the subject.

I am indeed grateful to the editor of A. P. W. for giving me this opportunity of addressing its readers, and I sincerely hope that what I have said may be a benefit to some of them. To all of them I extend our best wishes for a prosperous New Year.



Three Practical Poultry Books

Nowhere can you find three books that are more useful, more helpful to poultry raisers. They are filled with practical information and numerous illustrations that add to the value of the text.

BE PREPARED

For the early chicks by ordering these books now and studying them carefully.

HAVE YOU ENOUGH POULTRY HOUSES?

If not, or if the old ones need remodeling, get *Poultry Houses and Fixtures*. It will give you plans of all kinds of houses and coops.

THE EARLY CHICK IS THE PROFITABLE CHICK

To get early chicks you must use an incubator. "Artificial Incubation and Brooding" will solve many problems for you, and when you rejoice over trays full of downy chicks your study of the "Chick Book" will have prepared you to raise them successfully. Price, 50 cents each.

\$1.25

If the three books are ordered at one time, Add 25 cents for one year's subscription to A. P. W.

\$1.25

American Poultry World,

Dept. C,

85 Dewey Ave., Buffalo, N. Y.

Let me close by giving three general rules for poultrymen to follow:

Care in selection of the breeding birds.

Employment of the way that is most convenient for him to hatch the eggs, whether by hens or incubators.

Raise the birds under as natural conditions as possible and train the show birds carefully.

Anyone who has good foundation stock and who will follow these rules, will be successful in breeding Rhode Island Reds.

THE CAMPINE CLUB YEAR BOOK

Members of the Campine Club may well be proud of the 1916-1917 year book, issued by their secretary-treasurer, Mrs. Chas. H. Owings. It is well printed on good paper, beautifully illustrated with prize-winning Golden and Silver Campines and filled with good reading matter about these birds. It certainly is a credit to the club and to the secretary, who says in the preface; "The object has been to reflect as faithfully as possible the marvelous advancement the industry of Campine breeding has seen since the publication of the first catalogue in 1913, and also to trace the steps by which the breed has been improved."

The officers of the association are: M. R. Jacobus, president; N. E. Luce, vice-president; Dr. J. H. Prudhomme, second vice-president; Mrs. Chas. H. Owings, secretary-treasurer. The honorary vice-presidents are: Geo. Urban, Jr., Rev. E. Lewis Jones, J. Fred Kennedy, Madame A. F. Van Schelle. We would suggest that all breeders of Campines hasten to send Mrs. Owings the necessary money for initiation fee and first year's dues, and so become members of the club, eligible to compete for its specials and ribbons and in line to reap the benefit of the efforts of a progressive specialty club.

FEED PRICES VS. POULTRY PROFITS

Mr. J. W. Keller is associated with the Pratt Experiment Farms, Morton, Pa., which are conducted by Pratt Food Co., Philadelphia, Pa., the well-known manufacturers of the Pratt Poultry Regulator and Pratt Roup Remedy. Naturally, at their experiment farms, they keep in close touch with the prices of feed and the prices received for eggs, therefore, Mr. Keller knows whereof he writes. We are pleased to quote from an article written by him, as follows:

There has never been a time in the history of this nation when the price of grain has been higher. It is not surprising, then, that many poultry owners have viewed the situation with alarm, and have marketed large numbers of their fowls in order to pare down the feed bills. In most cases, such action has been the result of the impulse of the moment and not an analysis of the true situation or of mature deliberation.

Admit prices are high and are going to remain so, should we reduce or increase our flocks? The poultry business is subject to just the same laws as any other business. One of these is that the cost of raw materials is of no importance so long as the selling price of the finished article is correspondingly changed. Has this been the relation between poultry feed and poultry products, that is eggs, dressed fowls, and live stock?

Figures are so easily obtained by inquiry or consultation of the papers or dealers, that we will not cite them here, other than in a general way. Egg prices have never been so high as today. Moreover, they are rising rapidly, with a much greater demand than supply. New York, Boston and Philadelphia poultry dealers predict "eggs at a dollar a

dozen by Christmas." Nay, this is not a prediction, but an accomplished fact according to the report of the State Poultry Adviser of Pennsylvania who cites actual cases. Nor is this in the east alone. Today's mail brings the writer a report from Nevada of a poultryman getting ninety cents a dozen for eggs and he can not supply the demand. A day or so ago a report came from the Ozark Mountains of Missouri wherein the dealer complains of offering sixty cents a dozen for eggs and he can not get enough of them. Eggs generally sell in that district at about twenty-five cents a dozen. These are not isolated but typical cases, and are not due alone to lessened supply. No student of the problem will deny that prices are going up and that this year's average price is going to establish a high water mark away above anything in the past.

When we search for the cause of this condition, we are immediately confronted with several facts. First, the average income today is greater than ever before and everybody knows that the better off a family is, the more eggs they use. Again, government figures show several million less dozen of eggs in cold storage this year than last, as well as a greatly increased exportation. Prior to the outbreak of the great war, several foreign countries were dependent upon Germany, Russia, and the Balkan States for a good portion of their egg and poultry supply. This was particularly true of Great Britain. Today that supply is almost completely cut off, and the United States is called upon to furnish every egg she can spare. Again, due to the snap judgment, cited in the beginning of this article, many have disposed of considerable numbers of their layers, due to the high price of feeds so that the supply of eggs has been curtailed. These are but a few of the more important causes of the great demand and high prices paid for eggs. Do

VICTORY! VICTORY! VICTORY!

The sound of victory is in the air. From Northland and Southland, from East and West—from Canada, the States, South America—from the whole American continent comes the triumphal shout:

"Victory! Victory! for the ARISTOCRATS"

In their magnificent sweep of glorious triumphs from one end of the country to the other—IN COMPETITION OPEN TO THE ENTIRE WORLD—the all conquering Aristocrats are heralded and crowned victors at these largest Barred Rock shows of all America, of all the World: **Chicago, the Great World's Fair, Guelph, Philadelphia, California State, Norfolk, Nebraska State, Toronto, Memphis "Tri-State"** and many, many hundreds of other shows, large and small.

I Guarantee Every Aristocrat Show-Bird

You must be perfectly, entirely satisfied with any Aristocrats you get from me, or I will pay you back every cent you paid me. You run no risk. I take all the risk upon myself.

Do you still need some show-birds—SURE WINNERS?

Make up your mind quick and write me, or if in a special hurry—wire me. I have them ripe and ready to step right into the show-room and win out for you. I can help you. I have them. I have them **up-to-weight, finished, ready—the most wonderful, superb Barred Rock show-birds you have ever seen.**



A Natural Photo
Background and All

W. D. HOLTERMAN, Fancier, Box H, Fort Wayne, Ind., U. S. A.

EGGS that produce such wonderful winners—\$10 per 15; \$25.00 for 50; \$50.00 for 100.

they make it appear that eggs are going to be cheaper or dearer as time passes? Wise poultrymen in all sections say it is a favorable time to keep more fowls rather than fewer, for while feeds cost more, the prices of eggs have risen in far greater proportion and the poultryman's books are showing greater profits than ever before. It is an almost criminal mistake at this time to send to market any hen that can reasonably be expected to lay a fair number of eggs during the next few months.

In this connection there is another very interesting and important phase that should not be overlooked. The high price of eggs, attractive profits, and great demand for poultry products is going to create great interest in the industry and cause many persons to take up poultry raising next year. This always happens. That means this spring is going to see a tremendous demand for hatching eggs, baby chicks, and breeding fowls. As with eggs, a heavy demand for these will mean higher prices. Does that make it seem as though it would pay to keep your flock intact?

Do not understand that we advocate housing and feeding them for months if they are drones or unfit. Every unproductive fowl should be culled from the flock and marketed while the prices are high. Housing should be carefully looked after to insure against profit consuming disease as well as for increasing egg production. Greatest of all, the closest attention should be given to feeding. Give your birds all they need, but do not waste nor underfeed. The greatest production always accompanies the best feeding. Last, but not least, watch the health of your fowls. The adoption of any reasonable method to insure the health of your birds is justified. Husky, healthy, vigorous fowls, unbothered by parasites or disease, can do good work for you and coin golden dollars. Poultry health is more essential than ever before, for healthy fowls digest all their food and consequently require less to get the same amount of nourishment. You can not afford to waste high-priced feed on sickly, non-productive fowls.

Keep every good fowl you can procure, increase your flock, if possible. If you can read the handwriting on the wall and have faith in the poultry industry, the conditions are all present for such a period of prosperity as poultrymen have never known before.

THE RHODE ISLAND RED CLUB MEETING

By Geo. W. Tracy

Several specialty clubs held their meetings during the Palace Show, though I did not attend any but that of the Rhode Island Red Club of America. At three o'clock, acting under the direct command of W. C. Card whose orders it is wise to obey, we took our cornet to the American Poultry World booth and played the bugle call, which brought all the R. I. Red breeders in the Palace (as well as some others that were not Red men) to us. Then to the tune of "I Am Little but oh, My!" the club, led by Mr. Card, marched to the meeting.

We do not have a list of all who were present but remember seeing I. W. Bean who judged the largest class in the show, the S. C. Reds, he of "sensation fame"; Lester Tompkins who, while being able to breed to the present day fads as to color, still relies upon the "old stock" to do the real business; his son Harold Tompkins who had just finished winning the big eastern trophy cup by capturing "best display"; the Hon. John Mack, district attorney of Duchess County, whose eloquence lead in the debate upon the 100 national dues; Mr. Bomstead of Connecticut; the Hon. John Paine of Paine Bros., also from Conn. John is the Beau Brummel of Rhode Island Red-dom and he raises R. C. Reds just as handsome as himself. There was also Ike Whitmyre, the Ex-City Legislator of Schenectady, N. Y., the president and head hustler of the state branch Red club; Henry W. Alt, of Buffalo, who is not a Lilliputian in size and who is a big power in the S. C. R. I. Red Club; Mr. Hendrickson of Patterson, N. Y., whose son had just won with the best S. C. R. I. Red pen yet shown at the palace; J. C. Stevens of Springfield, Mass., who won at

the last Garden Show; Mr. Rankin of Schenley Heights, who had his pockets full of letters from the American Poultry Association urging him to be a candidate for the presidency; Mr. Ernst of the R. I. Red Journal, whom we should not forget; Annesley M. Anderson, the old-time R. C. breeder of Morton, Pa., who is still able to give the "young fellows" a run for their money in the show room; China Hanchett, the energetic state secretary who lives at Verona, N. Y.; M. F. Delano, proprietor of Owen Farms, who is making all the old-time breeders sit up and take notice of his S. C. R. I. Reds—and there were others that we do not recall just now whose names will come to us later and then we will regret that we are not a better reporter.

In the absence of President and vice-president, Mr. Alt presided. The meeting was a good one. Mr. Card's report as a secretary showed that the club is progressive, and the deficiency caused by a mistake in secretary several years ago, is about wiped out, a number of members having paid their dues for five years in advance. Mr. Delano headed a subscription list which will clear up all debts and the club will be on a free footing with the world.

After some discussion it was moved and carried that the executive committee have the color plate that was published in American Poultry World about a year ago, inserted in the "Red Hen Tales", and the proper persons are to take up the matter with A. P. W. This plate was described by Red men as being the best example of a standard-colored, standard-shaped Red that has yet appeared.

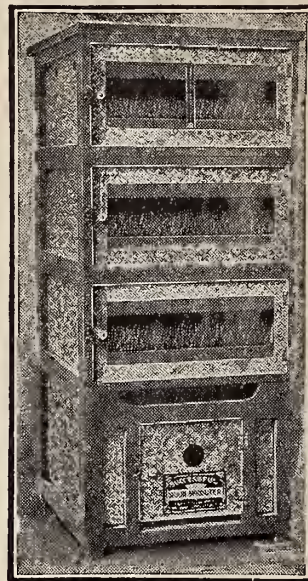
The R. I. Red bulletin was made the official organ of the club and that journal sets aside a page to be devoted to club matters sent by the secretary. The motion to raise the annual dues to \$1.50 was defeated. Other important matters were thoroughly discussed and Mr. Card stated that it was the best meeting we had ever held. On motion of Mr. Delano those present gave three rousing cheers and a tiger for Mr. Card, and the meeting adjourned.

HOW TO PROFIT BY HIGH EGG PRICES

Of course there is no escape for the consumer unless he refuses to buy eggs at all, and if he does he deprives himself of many a dainty, appetizing and nutritious dish. But the producer of eggs, by properly feeding his layers, can secure an extra quantity of eggs and so get the profit of the high prices.

There is a shortage of cold storage eggs which means that the price for them and for the fresh article will continue to mount until

spring-time puts greater numbers of hens into the notion of laying. Even then probably we shall not have our usual number of eggs because so many birds were needlessly sacrificed by those who were afraid of high prices of foods. While grain is high in price, eggs bring proportionately higher prices. The Des Moines Incubator Co., 627 Third St., Des Moines, Iowa, suggests a way to increase the



A "Successful" Grain Sprouter

egg yield—with one of their "Successful" all-steel grain sprouters which will enable you to keep your birds well supplied with living green food, thereby insuring good health and laying. Customers have reported an increase of 40% to 50% after using sprouted oats. Their Catalogue will give a full description of this sprouter. When writing for it, please mention A. P. W.

FAIRMOUNT FARM Sale of White Wyandotte cockerels
Farm raised stay white birds from heavy laying stock. Three and four dollars each while they last. Each one a bargain.

HARRISON C. DAWES,

MARLBOROUGH, N. Y.

PILLING CAPON TOOLS

Easy to use

Caponize and double the weight and the price of your cockerels. Easily done. Complete outfit—full instructions—prepaid.

G. P. PILLING & SON CO.
Philadelphia, Pa.

CAPON 10 lbs
ROOSTER 5 lbs

Send for Book FREE

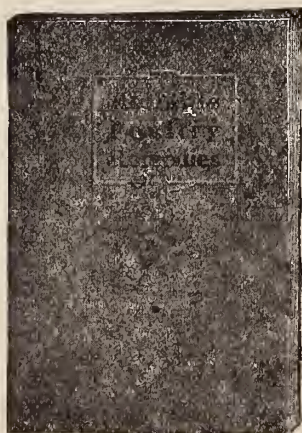
COOPS

Clean, Handy, Vermo proof, Galvanized wire Electric welded. Standard at all exhibits. Shipped by parcel post. Outfits rented to bench shows.

KEIPPER COLLAPSIBLE COOPS

Write for illustrated catalog and attractive prices. Keipper Cooping Co., 1401 First St., Milwaukee, Wis.

Reliable Poultry Remedies



How to PREVENT and CURE DISEASE

A Poultryman's Hand Book of Tried and Proved Remedies for the Diseases of Poultry. It describes in simple language the symptoms of the various diseases and tells what remedies will give best results under different conditions.

The Chapters are: Requisites for Health; Head, Throat and Lungs; Intestines and Crop; The Abdomen; Legs and Feet; The Skin; Parasites; Objectionable Habits. Send for complete list of our publications.

Price, 25 Cents, Postpaid

60 Cents, including a Year's Subscription to American Poultry World.
Canadian Subscribers add 25 cents extra.

American Poultry Publishing Co.

64 pages, 6 x 9

158 Pearl Street, Buffalo, N. Y.

EDITORIALS

(Continued from page 126)

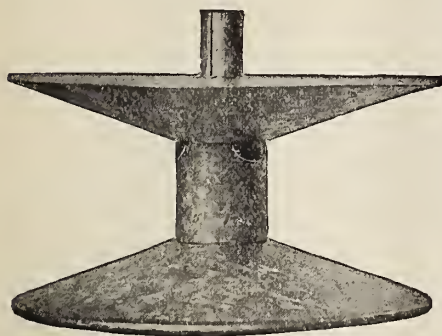
stove is used also for heating a home-made oat sprouter, the plans for which are furnished free in a booklet mailed without charge to interested persons. The materials used for this home-made



Stove to keep drinking water from freezing or to supply heat to home-made oat sprouters.

oat sprouter are listed to cost \$1.92, including the Little Putnam Stove at \$1.50. A shoe-box is used, a shallow tin drip pan and home-made racks for the oats.

The Little Putnam Stove is patented. The oil tank holds three pints of oil and burns two to three weeks without refilling or any other attention. The wick never needs trimming.



PUTNAM BROODER-HEATER

Mr. Putnam claims to have discovered "an entirely new principle in oil combustion." This principle is employed both in the Little Putnam Stove and the Putnam brooder heater. This Putnam brooder heater is for use in a home-made brooder, made out of a shoe-box or rubber box and is designed for the benefit of all purchasers of day-old chicks in lots of a dozen or a hundred or such a matter. The printed matter that is mailed free by Mr. Putnam gives "working plans for making the Putnam home-made brooder", the cost of which is listed at \$2.96, including \$2.75 for the brooder heater. The Putnam guarantee for this brooder heater reads:

"I guarantee the Putnam brooder heater to give satisfaction, or it may be returned to me within thirty days of receipt and the money paid for it will be refunded."

Interested readers will do well to write to I. Putnam, Route 1001, Elmira, N. Y., for his booklet and circular, illustrating and describing the Little Putnam Stove and Putnam brooder heater, also illustrating the Putnam home-made oat sprouter and the Putnam home-made brooder and giving a list of materials used in the manufacture of these low-priced appliances.

THE HOMESTEAD CAMPINE FARM,
WAYLAND, MASS.

Lately we had the good fortune to get hold of a copy of the 1916 catalogue of the Homestead Campine Farm, C. A. Phipps, proprietor, Wayland, Mass., extensive breeders of Silver Campines of the "Vigorous Strain." This is one of the handsomest, best illustrated poultry catalogues we have ever seen. It is 6¾ by 10 inches in size, contains fifty-two pages and cover, is printed on enameled paper, has a colorplate frontispiece and numerous down-to-date illustrations by Artists Sewell and Schilling.

A free copy of this catalogue will be sent to any A. P. W. reader on request. Naturally, this beautiful book is meant only for those persons who are interested in the Silver Campines. To all such persons we recommend this catalogue as a work of inspiration. No expense has been spared in its preparation and the reading matter is full of information of practical value.

The proprietor of the Homestead Campine Farm takes more than a financial interest in his fowls. Probably no other man in America is doing more for the promotion of the Silver Campines than Mr. Phipps; therefore we ask every reader of these lines who is interested in the Campine breed to do Mr. Phipps the honor to send for a copy of his 1916 catalogue.

Mr. Phipps raises in the neighborhood of 800 birds each season and the present season made the remarkable record of losing only eleven birds from the time they were hatched up to the present day, which surely is a record that entitled him to name his the "vigorous strain". His birds are kept in open front houses with cloth screens and a certain amount of glass in order to give

the birds light and sunlight when the cloth screens are used.

Mr. Phipps has sold all of his old birds, but has some very choice cockerels and pullets which he will sell at reduced prices in order to make room for his two dozen breeding pens and the young stock that will soon be coming on.

A. P. W. is in a position to recommend the Homestead Campine Farm without reservation as a safe source of supply, both as to quality of stock and fair business treatment.

It is Mr. Phipps' aim to give full value and to have none but satisfied customers.

SHOULD BE NUMBERED AMONG
OUR BEST WHITE LEGHORN
BREEDERS

If the dozen most competent breeders of Single Comb White Leghorns in this country were listed, the list would have to include the name of Glenn L. Wheeler, proprietor of Wheeler Farms, Penn Yan, N. Y. Mr. Wheeler has developed a strain of his own, taking fifteen years or more in which to do it. This strain can now be depended on to reproduce desirable standard quality. Moreover, Mr. Wheeler breeds them in considerable numbers and quotes attractive prices. For several years he exhibited, including Madison Square Garden, New York City, and won his share of prizes. He breeds for pleasure as well as profit and has kept his birds up to a high standard. Readers of A. P. W. who are looking for line-bred stock of this popular variety at moderate prices, will do well to write Mr. Wheeler, stating what you want, also your intentions in the poultry field.

Baby Chicks---Hatching Eggs---Breeders

LIGHT AND DARK BRAHMAS—R. I. REDS—WHITE WYANDOTTES—BARRED ROCKS
S. C. W. AND BROWN LEGHORNS

Show and utility. Catalogue FREE.
RIVERDALE POULTRY FARM, Box 565.

RIVERDALE, N. J.

TOLMAN FRESH AIR STRAIN

WHITE PLYMOUTH ROCKS

Baby Chicks and Eggs for Hatching. Write for free list.

JOSEPH TOLMAN, R. F. D.-Dept. G, ROCKLAND, MASS.

FISHEL'S White Wyandottes

are the fowls Speaker Champ Clark had reference to when he said: "If the high cost of living bothers you don't wait for Governmental Remedies, but buy some laying hens.—For instance, every one who can should keep some hens and any man who has twenty square feet of ground CAN keep them."

It is a conceded fact that for meat, eggs and quick growth

The World's Best Strain

is bred to the highest degree of Perfection and combined with these essential points they are the GREATEST WINNING STRAIN. Our past show record at the largest shows throughout the country, including the three last World's Fairs prove their ability to defeat all competition and in our customers' hands they win. FISHEL BRED BIRDS mean the same in Wyandottes that STERLING means on silver.

Thirty-five years in the poultry business, dealing with our customers in a way that merits the continuance of their patronage and our growing business is a record of which we are proud, and a guarantee to you. Give us the opportunity to demonstrate FISHEL FAIRNESS to you. Send for our literature.

J. C. FISHEL & SON, Box W, Hope, Ind.

GEO. H. LEE, ORIGINATOR OF POULTRY SPECIALTIES AND GIVER OF MUCH GOOD ADVICE

Herewith is shown a half-tone likeness of Geo. H. Lee, Omaha, Neb., founder and principal owner of the Geo. H. Lee Co., extensive manufacturers of poultry and stock supplies, including foods, remedies and insecticides.

Mr. Lee is one of the original thinkers and investigators in the poultry field of



GEO. H. LEE, OMAHA, NEB.

Founder and General Manager of the Geo. H. Lee Co., Extensive Manufacturers of Poultry and Stock Foods, also of Poultry Remedies, Insecticides, etc. An Original Thinker and Investigator Who Has Made Good.

English-speaking North America. Eighteen to twenty years ago, when we first heard of Mr. Lee, he was in the drug business at Exeter, Nebraska. His first distinct success was in the preparation of "Lee's Liquid Lice Paint." Previous to that time we do not recall having seen or heard of a liquid lice killer. To the best of our knowledge, therefore, the credit for discovering and placing on the market a liquid lice paint belongs to Geo. H. Lee.

Before that time lice powder was the popular remedy. "Liquid Lice Paint", so-called, made an immediate hit and within two or three years after placing it on the market, Mr. Lee moved to Omaha, the largest city in his native state.

Rapidly, since then, Mr. Lee has placed new poultry and stock supplies on the market and has developed an annual business that amounts up into the hundreds of thousands of dollars. The capital stock of the Geo. H. Lee Co., is \$200,000, and the business is conducted in a large four-story brick building. Traveling men, representing this company, visit all sections of the United

States and several thousand dealers handle the Lee Company supplies.

The last two discoveries or inventions of Mr. Lee, are known as Egg-o-hatch and Egg-o-latium. Asked about these goods, about their uses, etc., Mr. Lee sent us a piece of printed matter from which we are pleased to quote the following:

"Egg-O-Hatch is a dry powder that is mixed with water and the resulting liquid is applied to eggs two or three times during the twenty-one days of incubation. It is a liquid that does three things—supplies oxygen for the growing chick; absorbs carbon dioxide given off; makes more brittle and porous the shell of the egg.

"Egg-o-latium keeps fresh eggs fresh for one year. It is a white cerate or ointment. Rubbed over the shell of the egg it seals every pore so that nothing can get in or out. The egg does not dry out. No air, moisture, odors or germs can get in. The egg is preserved in all its original freshness. The application of Egg-o-latium is easily and quickly done. A dozen per minute. Fresh eggs must be used, preferably unfertile."

Lately, we asked Mr. Lee for some facts about his work and under date of December 18th, he wrote us:

"My work has consisted very largely of independent investigation and experiment, and I have developed, therefore, a line of specialties that are perhaps a little more individual and exclusive than the average line.

"I have taken a great deal of interest in educational work along poultry lines, and have published quite a number of books for free distribution. I am enclosing a few that have been published during the last year.

"I have taken out some thirty or more patents, also a goodly number of trade-marks, copyrights, etc., and mostly along poultry lines.

"Our two latest products, Egg-O-latium and Egg-O-Hatch, are meeting with great favor. We are all using eggs here now that cost us fifteen cents and seventeen cents last April and May and you simply could not tell them from eggs fresh from the farm.

"Egg-O-Hatch will undoubtedly meet with some skepticism as it is something so entirely new, but we predict that when its virtues become generally known, it will be the most popular thing we ever put on the market.

"We have only offered this to the public since the first of November, so it of course, has to make its way during the coming hatching season, but we have been running a number of incubators steadily with it for many months past, testing, developing and perfecting it, so that we feel very sure of satisfaction in the hands of any intelligent user.

"In all our work it has given an average of fifteen per cent. better results than without it. By better results, we mean average better hatches, and in addition to that, the chicks seem to be stronger and more vigorous when hatched.

"We believe that this is going to make a considerable saving in the hatching and rearing of poultry."

Subscribers to A. P. W. will profit by writing to the Geo. H. Lee Co. for copies

of free booklets treating on poultry questions, especially practical questions relating to care and management, also the prevention of diseases, the destruction of parasites, etc. In writing to the Lee Company, kindly mention A. P. W. Their full address is: Geo. H. Lee Co., 308 Lee Building, Omaha, Neb. See their ad on page 132 of this issue.

EDITORIAL NEWS NOTES AND TIMELY SUGGESTIONS

A. P. W. endorses John W. Yant, R. 24, Canton, Ohio, without reservation as a safe man from whom to buy Barred Plymouth Rocks bred to meet the requirements of the Standard of Perfection. Mr. Yant devotes all of his time to breeding Barred Plymouth Rocks. His birds have been line-bred for the last fifteen years, and during that period they have won their share of premiums at prominent central western shows, including Cleveland, the Chicago Coliseum and other points where the competition was strong. Mr. Yant is able to say in his advertisement, "All winners, bred and raised by myself". His prices are reasonable, quality considered, and all choice stock sold by him is sent on approval.

—O—

W. C. Ellison, formerly of the Northwest, now resident manager of the Cyphers Incubator Company's Poultry Farm, Elma Center, N. Y., accepted the secretaryship of the Licensed Poultry Judges Association, as organized at Cleveland last August, and he is putting in good licks in his efforts to secure a



WHITE LEGHORNS

"With The Lay Bred In Them"

Health—Vigor—Productiveness—Beauty

These important characteristics are strongly inbred in our flocks. Come and see. Or ask our customers. Our Leghorns will please you because they deliver the goods.

Cockerels—Fine specimens, the sons of record layers. Bred and priced right.

Hatching Eggs—Big white ones, highly fertile, from real layers. None better.

Baby Chicks—The "livable," profitable kind. Full count and safe delivery assured.

We produce on our own farm everything we sell. That's why we please every purchaser. Write for FREE catalog now.

SPRECHER BROS.
Box W, Rohrerstown, Pa.



Wendell's

Metal inside and out, heavy case well padded and double walls, automatic as near as can be constructed. A cracken good one.

INCUBATORS

We have specialized on brooders for the past 15 years.

We make all sizes, all metal, Hot Water Heat, Warm Flannel to Lay on Chick's Back. The best on the market. We have not raised our prices this year. 25 to 50 chick brooder for \$2.50—50 to 75, \$3.00—75 to 125, \$4.00. It will pay you to

Send Postal Today for free book
WENDELL INCUBATOR CO., Holly, Mich.

100 Egg \$10.00
150 Egg 12.75
200 Egg 16.00

large membership. Numerous letters have been sent out by him and we understand that the responses have been favorable. Mr. Ellison thus far has devoted his life to poultry culture and he is a firm believer in its future. Whatever he undertakes he does with his might and the men who started this association of A. P. A. judges are to be congratulated on securing his services as an active officer of the organization. We have asked Mr. Ellison for an open letter on the subject, to be published in the February issue of A. P. W.

A. C. Hawkins, Box 30, Lancaster, Mass., passed through Buffalo early last month en route for Zanesville, Ohio, to fill a judging engagement. He reported a good inquiry for standard-bred fowls, especially Barred Plymouth Rocks, and said that he believes that the season of 1916-17 will prove to be a good one, as a general rule. Mr. Hawkins has been in the poultry business continuously for more than thirty years, and probably has sold more choice specimens of several leading varieties than any other man in the business.

During the past month, on account of peace talk in Europe and America, the price of wheat on the Chicago board of trade dropped as low as \$1.42 per bushel. This was a tumble of more than 50 cents per bushel as compared with the high point reached eight to ten weeks ago. A. P. W. ventured the opinion at that time that wheat would not pass the \$2.00 mark. We are now strongly of the opinion that it will not again go back to \$1.75 per bushel. Corn is still bringing 91 to 93 cents per bushel, which is a decidedly profitable price for the farmers. Poultry and eggs continue to bring record prices, despite the efforts of house-wives and others to effect a boycott. Thus far these house-wife league boycotts, aided by governors, mayors, etc., have not proved very effective. As a rule they are aimed at said-to-be-excessive prices asked for cold storage eggs. As a matter of course, these efforts cannot compel the reluctant hen to lay two eggs in place of one, no matter how strong their threats may be. No method has yet been devised for frightening eggs out of the American hen, especially during the late fall and winter months.

In this issue, pages 134-135, will be found a prominent advertisement of the "1733 Ranch," located near Kearney, Nebraska. Russel F. Palmer, well-known poultryman and poultry writer, is the manager of this large western poultry establishment—probably the largest now located west of the Mississippi river that is devoted to standard-bred fowls of choice quality. A. P. W. has asked Mr. Palmer for a description of the poultry department of The 1733 Ranch, for publication in these pages. We hope his fact-story may reach us in time for the February number.

H. B. Hark of Sheffield Farm, Glendale, Ohio, formerly manager of the poultry department, has been promoted

to the management of the entire establishment. This farm breeds not only champion Partridge Wyandottes, as proved at America's largest poultry exhibitions held annually at New York, Chicago, and Boston, but also breeds thoroughbred cattle, swine, etc. Mr. Hark, now about forty years old, has spent twenty years or more in the poultry business. Six or eight years ago he decided to limit his efforts to the Partridge Wyandottes, and at Sheffield Farm he has developed probably the best strain in existence of this variety. Better still, he produces them by the single mating system, a fact that will appeal strongly to all lovers of this "beauty variety" of the numerous Wyandotte family. Orders placed with Sheffield Farm will receive the personal attention of Mr. Hark, and all choice birds, either for exhibition or breeding purposes, are sold on approval.

Subscribers to A. P. W. who are in the market for standard-bred White Wyandottes or for eggs for hatching from this most popular variety of the Wyandotte breed, and who wish to deal with a man who owns an established strain and can be depended on for a square deal, will do well to write to Fred C. Lisk, Box L, Romulus, N. Y. We have known Mr. Lisk for years, are acquainted with his birds, and have kept

track of his winnings from year to year and know that he is the "right sort." A. P. W. will stand back of any poultry deal that Mr. Lisk enters into with our subscribers while he continues as a display advertiser in these pages.

Rumor has it for some time—ever since last August—that Chas. J. Fisk, owner of Wilburtha Farms, 32 River Road, Trenton Junction, N. J., and C. K. Rankin, proprietor of Shenley Heights Poultry Farm, were to be candidates for the nomination for president of the American Poultry Association. We have written to both of these prominent friends of poultry culture, asking them if the report is true, but thus far (Dec. 26) neither has replied admitting "the soft impeachment," so to speak. These men are strong advocates of standard-bred fowl, and if either were chosen, they no doubt would try hard to fill the position with honor to themselves and in the best interest of poultry culture. Perhaps we shall hear from them favorably on the question in the near future.

Harold Tompkins, Concord, Mass., wrote us in November that he had on hand over 800 well matured cockerels and pullets of the Single and Rose Comb varieties of Rhode Island Reds, their values ranging from \$5.00 to \$25.00

LINE-BRED S.C. WHITE LEGHORNS

An established strain on which you can rely for best results both in exhibition quality and prolific egg yield. Have bred them for years winning prizes at leading eastern shows.

Breeders are selected annually with great care. Young stock each year is farm-raised thus preserving constitutional vigor.

Can fit you out with a breeding trio, a breeding pen or one or more extra males at prices about half those charged by other fancier-breeders who can furnish you no better blood lines and no better individual birds. Stay right by letting me know what you need—what you want. All choice birds sent on approval. Refer, as to business methods and quality of stock, to the editor of this journal.

Eggs for hatching season from same pen that I hatch from.

GLENN L. WHEELER Box W, **PENN YAN, N. Y.**

Winter Eggs at 50c!

Prices often up to 60c. Keep your hens on the job. Now, more than any other time of year, they need a tonic. They must be kept in condition—digestion good, egg organs in trim. Feed

Dr. Hess Poultry PAN-A-CE-A

Follow directions, then you may expect results. It's the poultry tonic that's guaranteed—money back if you find feeding it does not pay. Read:

So sure am I that Dr. Hess Poultry Pan-a-ce-a will help to keep your poultry healthy and make your hens lay, that I have told my dealer in your town to supply you with enough for your flock and if it does not do as I claim, return the empty package and get your money back.

1½ lbs., 25c; 5 lbs., 60c; 12 lbs., \$1.25; 25-lb. pail, \$2.50 (except in Canada and the far West).

For book on Poultry Culture, address

Dr. HESS & CLARK, Ashland, O.

Make your
hens lay
all winter

1 Cent a
day for 30
fowls



for the pullets and from \$10.00 to \$50.00 for cockerels—birds that he was quoting at about a half their actual value, either for exhibition or breeding purposes. He reported that he has a larger number of birds than he wishes to carry through the winter and that, therefore, he will sell fully one-half of them at prices that will be real bargains. Harold Tompkins is a reliable poultryman to whom A. P. W. subscribers can entrust orders with entire safety. Choice breeding stock sold by him are shipped on approval, subject to prompt return, expressage prepaid, in case they are not satisfactory. Closing his letter, Mr. Tompkins says: "Next spring's matings for my own breeding and for egg sales will be the strongest I have ever owned, as I have more good males this year than for the past two years—and this is saying a good deal when one stops to consider the winnings I have made. The females are also of the same high grade and prices will be about the same. I guarantee satisfaction to your readers."

Another trustworthy and successful breeder of White Wyandottes who can be depended on to quote moderate prices and give full value, is Arthur G. Bouck, manager of Fernbrook Farm, Box C, Menands Road, Albany, N. Y. At the recent Palace Show, New York City, Fernbrook Farm captured the lion's share of prizes, with competition open to the world. Eggs for hatching, of genuine value, also can be obtained from Mr. Bouck—and he is a man who will send you exactly what he promises and what you have paid for. It is a pleasure to recommend men of his kind to A. P. W. readers.

At the Coliseum Show, Chicago, D. K. Williamson, proprietor of Longfield Poultry Farm, Box 327, Bluffton, Ind., renewed his advertising contract with A. P. W. We were glad of this because here is another Rhode Island Red breeder (Single Comb only) that this journal can recommend without reservation, and our subscribers will take no risk in placing orders with Longfield Poultry Farm, either for breeding stock or hatching eggs. At the last Coliseum show Mr. Williamson made a sensational winning, doing this on line-bred stock reaching back a great many years. Year after year, Mr. Williamson has won the major share of prizes on Rose Comb Reds at the Coliseum show, every bird being of his own breeding and representing blood lines established by him.

The recent Coliseum show, Chicago, was the second largest ever held under the present management. In 1912 the Coliseum held its record exhibition, but this year's show came within 200 birds of that record-breaking year. Theo. Hewes as manager no doubt deserves to be congratulated on bringing out so large an exhibition. On reading A. O. Schilling's fact-report of the Coliseum show, in this issue of the A. P. W., our subscribers will find that A. P. W. advertisers did well indeed. This was especially true of U. R. Fishel, Box B, Hope, Ind., breeder of White Plymouth Rocks; D. K. Williamson, Bluffton, Ind., breeder of Rose Comb Rhode Island

Reds; Frank E. Hering, South Bend, Ind., breeder of S. C. White Leghorns and Silver Campines; Dr. L. E. Heasley, Holland, Mich., breeder of S. C. Buff Leghorns; Rau and Fry, Indianapolis, Ind., breeders of Single Comb Rhode Island Reds, Black Orpingtons and Blue Orpingtons, and Frank L. Platt, Swanton, Ohio, breeder of Red Sussex. All these men are well known to the editorial management of A. P. W. and they can be relied on to quote reasonable prices, values duly considered, and to give satisfaction to our subscribers. It is our understanding that each of them ships "on approval," subject to personal inspection and a prompt return of the birds, expressage prepaid, if they are not satisfactory.

J. V. McConnell, Garden Grove, Cal., past-master in the art of breeding high-class exhibition S. C. Black Minorcas, begins a new yearly advertisement in this issue of A. P. W. The editor visited Mr. McConnell's home a year ago last month, accompanied by Franklane L. Sewell, poultry artist, and we were much impressed with the poultry plant, excellent stock and painstaking breeding methods of Mr. McConnell. Triumphant on the Pacific coast, where the Mediterranean class is highly popular, Mr. McConnell has produced and sold many a prize winner at foremost eastern exhibitions, including Chicago, New York City and Boston. Here again is a sample of what intelligence in breeding will do in the creation of desirable blood lines. Few poultrymen, either in the United States or Canada (Europe might well be included), have gone farther in this direction than J. V. McConnell. He has had the courage to test in-breeding and line-breeding to the limit and has proved that this method is indispensable where high ideals as to shape, color and feather markings are to be established and perpetuated in the breeding of domestic fowls. Fancier-breeders of S. C. Black Minorcas should get acquainted with Mr. McConnell, his stock and his methods.

Columbian Wyandottes have one of their most competent champions in Levi A. Ayres, Granville, N. Y. Mr. Ayres calls them "New York State champions" because of their sweeping triumph at the New York State Fair for a number of years. He might also call them Maryland champions, because at the Hagerstown Fair, (noted for its poultry department) held October, 1916, he won 1 cock, 1 hen; 1, 2 cockerels; 1, 2 pullets and 1 pen, on seven entries. Here we have another established strain—this one consisting of a comparatively new variety of the numerous Wyandotte family. Mr. Ayres devotes himself to high exhibition points as per the Standard of Perfection, yet he gives careful attention to utility values, including quick maturity and prolific egg yield. He is a man who can be depended upon to take good care of his customers. Mr. Ayres has been advertising in the "WORLD" FROM ITS FIRST ISSUE, a period of more than six years and during this time we have never received a complaint from any of his customers, either as to quality of his stock, price considered, or as to his methods of doing business. In other words, he is a safe man with

whom to deal. His strain of Columbian Wyandottes is bred from ocean to ocean, from Canada to the Gulf, and produces winners for his customers.

T. C. Grover, proprietor of Imperial R. I. Red Farm, Irondequoit, N. Y., under date December 12th, wrote A. P. W. as follows: "We entered one hen as a test at the Palace show, New York City, and won second place in a very strong class. We have a number of utility and exhibition birds for sale—including choice breeders—and will dispose of a large share of them at attractive prices. Prices considered, the quality of these birds will be about one hundred per cent. better than we have been able to buy of the large breeders at the same prices. In other words, the prices we ask are about half as much for fancy breeders and exhibition stock as the large breeders charge for the same stock, and our utility birds are of better shape and color than most of them sent out at utility prices." Evidently Mr. Grover is making a "bargain sale" of surplus stock. He writes that he has 100 well-matured birds for sale, including both old and young stock that "must be disposed of to make room in winter quarters." Birds are guaranteed by Mr. Grover to be as represented, and those for which moderate to high prices are charged will be sent on approval.

"Slades" Imperial Pekin and Fawn and White Indian Runner Ducks
Leading Winners, champion layers. Mating list with certified record of "Victoria", World's champion layer
JOHN SLADE, MALVERN, PA.

VINCENT'S
BUFF PLYMOUTH ROCKS WIN
Stock or eggs. Send for mating list.
JAMES H. VINCENT
Box W, Hazleton, Pa.

A Mechanical Mother for Chicks

THE HILL COLONY BROODER is built for the practical poultryman whose business existence depends on a perfect brooder. Will brood 400 to 500 chicks safely, and with the vigor necessary to profit. Burns coal; built of cast iron.

HILL COLONY BROODER

Price, \$32.00

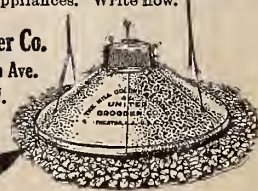
HILL Magic Brooder

Capacity, 200 to 300 Chicks; Price, \$16.50

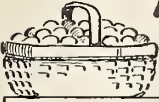
Both guaranteed to hold even heat over night without attention, regardless of weather changes; to be satisfactory to purchaser, or price and freight refunded on request, after 30 days' trial.

Descriptive booklet, valuable to poultrymen, FREE. Shows how to build brooder houses and other poultry appliances. Write now.

United Brooder Co.
349 Pennington Ave.
Trenton, N. J.



Practical Poultry Facts AND Timely Advice



Conducted by JOHN H. ROBINSON, Special Contributor

POINTERS FOR BREEDERS OF STANDARD POULTRY

Stimulants to Promote Laying

Moubray, writing in England over a century ago, said: "To promote fecundity and great laying in the hen, nothing is more necessary than the best corn and fair water; but malted or sprouted barley has occasionally a good effect while the hens are kept on solid corn; but if continued too long, they are apt to sour. Cordial horse-ball is good to promote laying in the cold season, and toast and ale, as every housewife knows."

Mascall, another English writer, who flourished several hundred years ago, quoted Columella, a Roman authority on agriculture, who lived in the first century of the Christian era, as follows:

"Ye must mixe their meat with chalk, and put fresche water into their troughes with some wine and water mixte, and so let them have it daylye for a space. Or give them of barlye halfe soddan, and mixte with tares, or the graine called millet wheate. Hennes do commonly cease laying about the third of November, when the colde begins to come, and then feeding on blackberries, elder, and other fruite. But for being troubled, ye might choose of the fairest hennes to lay eggs all the winter, as well as at other times. Which order is, ye must nourish them with toasted bread, soaked in ale, or small-wine, mixte with some water. Some doe take of water and milke, and soake the toastes therein, from the evening to the morning, and so give it to them on the morrow to their breakfast, and at night they give them oats or barley."

In the early days of poultry journalism, not so very long ago, the use of condiments and stimulants of various kinds to promote growth or laying, but especially to promote laying in winter, was emphasized much more generally than it has been for the last twenty years. The reasons for this are easily found. We sometimes say of an enthusiastic poultry keeper in those days that he lives with his fowls. From the time fowls were first domesticated until poultry keeping began to be developed on a large scale, a considerable proportion of the fowls lived with their keepers. Within twenty years I have known a very nice old lady whose fowls, while rigidly excluded from the

front yard and from all other parts of the house, had quite exclusive possession of the backyard and had as much liberty of the kitchen as the cat and dog.

Fowls kept that way were very closely under the observation of their owners, and as they fed on a little of everything, the influence of different things would be quickly noted. If anyone wishes to do a little experimenting along this line, I would suggest that he try giving fowls various articles of his own diet, seasoned as he likes them, and also the same things much more highly seasoned. Or, if he wants to reverse the process, let him take some condimental food as used for fowls and eat a little himself. It will not hurt him, though he may not relish it. He will find that fowls delight in highly spiced and seasoned foods, and like them much more seasoned than is agreeable to most human palates.

When small flocks of fowls were very intimate with the family, eating of crumbs and scraps and leavings of various kinds as they came from the table, their rations were on the whole, well seasoned. Since the leavings of the family kitchen and table have become a less important part of the diet of the fowls, their ordinary rations lack the condiments of various kinds which nearly all people eat with their food, and which fowls apparently like better than we do. Condition powders and tonics of various kinds contain some ingredients with purely medicinal properties, but many more are simply substitutes for the condiments that the fowls used to get from their master's tables. This seems to be the most practical and economical way to supply them.

How Fowls Like Beans

For ten years or so one corner of my big barn loft has been used to store all sorts of things, and occasionally some-

thing not used as intended, has been allowed to remain there. A few months ago I made a clean-up of this place and found, among other things, about a peck of large red beans that I had saved for seed in 1906. There was also a big bundle of wax beans on the vines that were saved for seed five or six years ago and not used.

I tried once, about twenty-five years ago, to feed small beans to hens, but could get them to eat only a very few. So I thought that I would try cooking the old red beans. They were very dry and hard. We kept them on the stove in a big iron pot for the greater part of two days. Then they were quite soft with a good deal of liquor.

In feeding, I would take out about a quart of beans and liquor, put it in a pail and mash to a pulp, but not completely, perhaps a fourth of the beans remaining whole. After the mashing, I stirred in about a quart of "mixed feed." This was fed as the morning mash to about fifteen Cochins.

They liked it well, and were particularly greedy for the whole cooked beans. Then I thought that as they had taken so well to the cooked beans, I would try them on some of the small beans, raw and whole. These I gave on the littered floor, throwing down a small bundle and treading them with my feet. The hens would come and pick up several, then go

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away, showing no relish for them. I let them get quite hungry, feeding short for several days to see if hunger would induce the hens to eat beans in this style. They refused to do so unless very hungry, and would then eat only a very few.

Our garden patch this year was just in front of the house in which these birds were kept after the last of the tomatoes had been picked, I let the hens run in it. There were several rows of string beans, on which some had been allowed to go to seed, and some of the pods were split open. The hens were not voracious for these beans, but gradually cleaned them up, though they had an abundance of other food.

I have still some of the five or six-year-old small beans and propose to see what the hens think of them when thoroughly soaked in cold water.

Effects of Climate on Plumage

Frank L. Platt, in the "Reliable", remarks upon the presence of a "satin finish" on the birds at eastern shows, and its absence at Chicago. He notes the difference particularly in White Wyandottes. He states that he does not know to what extent this finish depends upon, climate or on washing, but—"If it is a feather that cannot be grown in the corn belt, then we should have none of it under the ribbons in our mid-western shows, for surely, we do not want a standard set here, the highest type of which we cannot produce on our ground and in our climate."

The White Wyandottes of fifteen to twenty years ago, were quite generally hard-feathered birds as compared with Asiatics and Orpingtons, and many had a very good satin finish, though comparatively few were shown in as fine condition as is usual at the best shows now. As a matter of fact, both then and now, somewhere among flocks of White Wyandottes you could find almost any style specified. I recall some well-known stocks of White Wyandottes that were very short and close feathered.

The late T. E. Orr was probably, more than anyone else, responsible for popularizing the style of White Wyandotte Mr. Platt found prevalent at Chicago. Eastern White Wyandotte breeders did not like his favorite "type," but he was for some years very popular as a judge of this variety in most sections of the country, and it happened to be at a time when most of the men who had ideas of White Wyandottes that suited the breeders in this section were not taking judging engagements at important shows, preferring to exhibit.

In those days there was much vigorous denunciation of Mr. Orr's ideas of the correct thing in White Wyandottes but where he judged, the breeders, however they might disagree with his views, "gave him what he wanted." Some birds are naturally longer and looser feathered than others, and an expert fitter can easily dry a bird out after washing to help either effect he wishes to secure.

It is worthy of note in this connection that T. E. Orr, who—according to his

lights—was the most conscientious of men, and in some ways, over-scrupulous, was probably unintentionally more responsible than anyone else for the bleaching of white birds becoming a common practice. Exhibitors, who showed under him and tried to "follow" his judging, declared that he placed whiteness above everything else, and that if one showed under him the birds must be as white as it was possible to make them.

While climate has some effect upon the development of plumage and of other things as well, its influences in undesirable ways are not iron-bound, and may be offset by providing suitable conditions. The prime difference, in general, between eastern and western fanciers, is that the former—as a class—give more attention to detail at every stage of their work. There are many slack and indifferent breeders and exhibitors in the east and in the aggregate, a lot of first-class breeders and exhibitors in the west, but superior finish is more in evidence at eastern shows and gets more consideration in the placing of awards.

Length, width and texture of feathers are primarily a matter of breeding and heredity. If climate determined, or even strongly influenced these characters, we should find all breeds approximating the same type of feathering under the same climatic conditions. Considering only the fowls of a single variety or class, as seen at a certain time in different parts of the country, one might suppose that the difference in the character of their plumage—in case such appeared—was

TRIUMPH OVER ALL COMERS!!

At Madison Square Garden, New York City, Dec. 29, 1916-Jan. 3, 1917, the **Great Sweepstakes Show of America**, in competition with the **Very Cream of Single Comb White Leghorns** brought together from the Atlantic to the Pacific, the unconquerable

D. W. Young Strain of S. C. White Leghorns

Under Irving C. Rice as Judge, in the largest and best class ever shown at the Garden, won as follows:

COCKS, 1st, 2nd, 3rd, 4th and 5th prizes:

COCKERELS, 2nd, 3rd and 4th prizes;

HENS, 1st, 4th and 5th prizes;

PULLET, 1st Prize;

PENS, 1st and 2nd prizes.

I have a grand lot of choice breeding males for sale—birds that will improve any flock. Very few females to spare. **Book Egg orders early.** Last Spring I was obliged to return as high as \$1,000 per week for egg orders that I could not fill. Pullets hatched from these eggs, **mated next season** to a breeding male from my strain, **will start you right.**

Mating list free on request.

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New York City's Greatest Poultry and Pigeon Show

Held in Madison Square Garden, December 29, 1916-January 3, 1917.

Extra Large Attendance and Many Good Sales.

By GRANT M. CURTIS, Editor

New York City, N. Y., Jan. 1, 1917.

THIS is the largest and best poultry exhibition ever held in the historical and much-loved old Garden, the scene for more than a quarter of a century of many a battle royal in poultrydom.

There are over 500 more fowls than there were last year and over 900 more pigeons. Sixty-five head of fowl that arrived late were sent back; there was no room for them because the aisles already were as narrow and long as the fire commissioners would permit, and the entire exhibition of poultry was doubled tiered.

So crowded was the great arena that the poultry journals had to be taken out of the central space and located along the walls where a few feet were available.

The weather has been fine, the attendance much in excess of last year, and numerous sales made at good prices have put new life and courage into many of the exhibitors. Saturday, Dec. 30, D. W. Young made the largest

sales in point of money received ever closed by him in one day at the Garden.

There were 1450 more entries than last year. Twenty-seven states and Canada are represented among the exhibitors. Canadian fancier-breeders are on hand in force. The visitors also came from all parts of the United States, many of them making purchases or booking egg orders ahead.

The quality is superior, so the judges reported. S. C. White Leghorns form the largest class (246 specimens) and the Rhode Island Reds come next in numbers. All the popular breeds and varieties are here in both quantity and quality. Competition as a rule was hot to the blistering point.

A. P. W. is represented at this truly great annual poultry event by Arthur O. Schilling, artist, by Geo. W. Tracey, reporter, and by the writer. Among us we shall try to give the readers of the "World" a satisfactory report, with numerous illustrations of prize winners, in our February issue and thereafter.

Yours for a Happy and Prosperous New Year.

GRANT M. CURTIS.

due to the difference in climate. But the way to determine how far the effects of climate are responsible for such differences is to compare birds which characteristically should have different types of feathering, as they are found in the same locality.

The satin finish is not peculiar to any kind of feathering. It is found on birds of all kinds, from the short-feathered, hard-feathered Game, to the long-feathered, soft-feathered Cochin. Some birds have it naturally to a high degree, and preserve it under adverse conditions. Some have it naturally, but hold it only under favorable conditions. Some are capable of taking it for special occasions, if given treatment to bring it out.

About fifteen years ago, the White Rocks in the central west generally differed from the White Rocks in the east in the way Mr. Platt now notes as most conspicuous in White Wyandottes. The difference ceased to be noticeable after the Graves stock had generally displaced the finer boned, somewhat closer-feathered style of White Rock which had been favored here before the Graves strain arrived. But birds of the older, finer boned, shorter feathered types were then grown in the corn belt by some breeders just as successful as here, and one could find plenty of the other kind in the east, though they were not likely to be much in evidence at the best shows.

Given the tendency to grow a certain kind of feathering, the growth of plumage to perfect finish of its type depends upon keeping the bird in perfect condition and the plumage growing continuously from the time a coat begins to come in until it is completely grown. The great obstacle to this is extreme hot weather, which tends to check growth in every way. If a breeder in the corn belt or anywhere that nights are hot and uncomfortable, will study to give his fowls abundant shade with good circulation of air by day and airy roosting places, and

take extraordinary precautions against lice, which are much more troublesome where the heat is extreme, he will grow as good feathers as can be grown anywhere.

The breeder in the corn belt, who may imagine that his climate and soil are against him in competition with eastern breeders, should note that by no means all "eastern" breeders are more favored than he in these matters. New Jersey and Pennsylvania breeders have the same difficulties to contend with, yet in the show rooms they stand on an equal footing with their competitors farther north. It is more trouble for them to get the same result. But they get it.

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DOGS, CATS, CHICKENS
WONT TOUCH
NO ODOR AFTER DEATH

RAT CURE
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NO MIXING
READY TO FEED
ASK YOUR SUPPLY
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COLUMBIAN WYANDOTTES

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Thousands of other testimonials. Agents Wanted.

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For Colds and Roup in Fowls

Dr. Koch, originator of this method claims a positive preventive and cure of all diseases peculiar to the nose, throat and lungs of poultry. He urges the Zenoleum vapor after three years' thorough trial with complete success in worst cases of Roup and Colds in the most dangerous forms. It is more economical than pills, tablets, powders, drugs. It is perfectly harmless. Benefits the well birds, cures the sick ones. Makes individual treatment unnecessary. Saves time, work and is positively effective.

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Winners for years at New York, Buffalo and Rochester. You need my strain if you want to win. 400 cockerels and pullets for sale December and January. Birds sold on approval.

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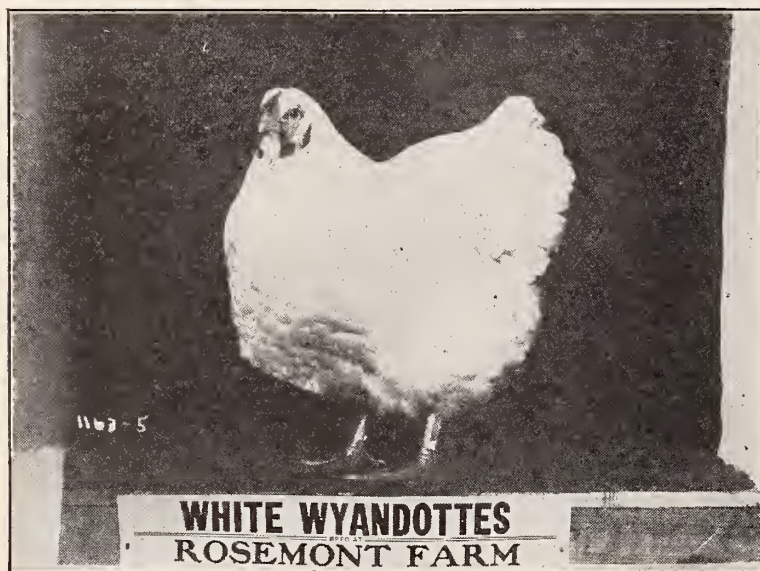
W. S. CRANDALL, **GREENWICH, N. Y.**

Baby Chick Troubles

A former Pennsylvanian, now located in the south, is having trouble with his chicks. Some of them begin to have dis-tended crops very early, will not eat or drink, and die about the fifth day. A

that produce weak offspring, and either discard them as breeders or change the matings, as the case demands. If one has only a few chicks hatched and brooded by hens, it is possible to keep track of relationships as long as the chicks run

chicks. Where hatching is on a large scale for commercial purposes, the labor of doing this all through the season may be too great, and it is not really necessary to do it all the time. Chicks should, however, be pedigreed and marked for a long enough period in the first part of the season to enable the poultryman to locate troubles due to the parent stock.



This White Wyandotte pullet was in first pen at Cleveland, 1916, when a number of birds won honors for their owner, the proprietor of Rosemont Farm, Franklin, Pa. She is but one of the many prize-winners raised and owned by this stock farm where nothing but high-class stock is tolerated. They breed several varieties of standard-bred poultry, including Silkies, Pekin, Runner and Muscovy Ducks, but have especially large flocks of Brown and White Leghorns, White Wyandottes and Barred Rocks. At the recent St. Louis Show, where the national meeting of the S. C. Brown Leghorn Club was held, they won 1 cockerel; 2, 3 hens; 1, 2 pullets; 4 cock; 2, 3 pens; 2 silver cups and \$15.00 for best display. They also exhibited their Barred Plymouth Rocks and made the following excellent winnings: 1, 2 hens; 1 exhibition pen; 2 cockerel-bred pen; 4 cockerel-bred pullet; 3 cockerel-bred pen; 1 pullet-bred cock; 3 pullet-bred cockerel; 1 pullet-bred pen. For full particulars regarding their exhibition and breeding birds and eggs for hatching, address Rosemont Farm, Franklin, Pa., and kindly mention A. P. W.

part of the chicks do not have the trouble and thrive right along.

He does not say what proportion of chicks he loses in this way, whether many or few. Usually, when a part of the chicks live and do well, the cause of the trouble is with the parents of those that die off so promptly. If the chicks are all from one pen of fowls, the trouble lies with certain hens in that pen. If the chicks are from several matings, you cannot tell whether the trouble is limited to the chicks from certain hens, or is common to the chicks from certain males, unless the pedigrees have been kept and the chicks marked.

What the nature of the trouble with the chicks may be is immaterial, as far as treatment of the chicks is concerned. The remedy is to locate the bird or birds

FAIR-ACRES ROCKS

Win at the Great Boston Show

White Plymouth Rocks

Buff Plymouth Rocks

Some Real Bargains in Day Old Chicks

Eggs for Hatching Write for Price List

HOWARD P. SOULE, Prop. Millis, Mass.

Roup Will Not Develop

In your flock if you watch the chicken's eyes. As soon as they begin to water or small bubbles form in the corners or the nose begins to run, give them WACKER'S ROUP TABLETS. These Tablets will prevent and cure roup; you can throw the axe away. Sold nowhere else. Order direct. Satisfaction guaranteed or money refunded. Trial size, 25 cents; 200 tablets, 50c. Write for our folder, Practical hints.

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with the hens, or are at markedly different stages of development, and it is not difficult under such conditions to keep pretty close tabs on results without punch-marking the chicks. But wherever the chicks from different matings are to be hatched at the same time and brooded together, the only way to get any sure line upon the quality of chicks from various matings is to separate the eggs at hatching time and mark all the

GET RID OF THE DRONES

It does not pay to keep drones in the flock eating valuable food and producing no eggs. The only sure way to pick out the profitable birds is to "Catch them with the goods" as it were. In other words, trap-nest them and you will not have to guess which are the producers and which the non-producers. It is necessary also to band the birds in order that a proper record may be kept. Permit us then to call your attention to the new bands with large plain numbers printed on colored celluloid that can be easily read. Such bands are made by the Bourne Manufacturing Company, 234 Howard St., Dept. W, Melrose, Mass., whose advertisement appears on page 107 of this issue. If you write them they will send you a sample and their printed matter free of charge.



Poultry Book FREE

Contents: Baby chicks, cures of diseases, breeding and feeding charts, plans for poultry houses, trap nests and fixtures, daily egg record spaces, etc. Write for copy and ask about "More Eggs or Money Back" on Purina Chicken Chowder. Ralston Purina Co., 817 Gratiot, St. Louis, Mo.

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R. and S. C. R. I. Reds White Rocks

None better anywhere.

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Fifty good Cockerels for sale, \$5 and up. We won A. P. A. Grand Prize Medal for best in American class at New York Palace Show.

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Bred for Utility and Exhibition.

The kind that lay Big White Eggs and take the Ribbons.

Red Cross Poultry Yards, C. E. TRACY, M. D., Prop. Castleton-on-Hudson, N. Y. Box W.

A SUCCESSFUL POULTRY-MAN OF THE HOOSIER STATE

By A. O. Schilling

(Continued from page 112)

his birds shown by his customers on a number of occasions. The Holterman "Aristocrat" Barred Rocks are famed for their extremely narrow, snappy barring. It is his ideal to produce a fowl that is attractive on account of its color, useful on account of its desirable shape which means good meat and egg producing qualities, and that is strong and vigorous in order that it may produce its kind in good numbers.

We noted a number of males while at the Holterman plant and found plenty of good clean barring, some of which was unusually narrow, and the barring was carried clear through the under-color. One male in particular we recall was a son of the famous "Prince Ringy". In our opinion he is exceptional in color, being very even in tone of surface color



Mr. W. D. Holterman, Fort Wayne, Ind., Originator of the "Aristocrat" Strain of Barred Plymouth Rocks.

while the barring on wing bows, shoulders and back was especially clear and bright. We thought him more narrowly barred than the average male and no doubt he has proved to be an invaluable breeder.

In the conditioning house which is on the second floor of one of the main buildings we found ten or twelve of the famous "Aristocrat" Barred Rock cockerels being prepared for shipment to customers. It is easy to understand now why Mr. Holterman has so few complaints. It is one of his rules that customers must feel satisfied and it is a further rule to send customers such good value for their money that there need be no adjustment in deals.

The males we handled had excellent snappy color and we noted particularly that they had beautiful small, evenly serrated combs set on well formed heads, with eyes that express strength and vigor.

We were shown one cockerel that was to be shipped to one of America's best

Barred Rock judges, who came to Holterman's farm and selected the bird. Evidently he knew where to look for good ones. The fact that Mr. Holterman does not exhibit to any great extent himself gives him the advantage over other Barred Rock breeders who do considerable showing, as it leaves Mr. Holterman in a position to sell his show birds. He does not need to make a show record upon which most breeders depend to influence the sale of stock.

Both systems are correct, but being different they require different handling. Mr. Holterman believes his plan has many advantages, one being that he is able to sell more good birds and by so doing has built up a big business among breeders who are glad to buy good birds to fill out their show strings or to head a breeding yard.

We saw a beautiful lot of pullets in separate runs and cockerels in colony houses, many of which were ready to be caught up to fill orders, as they were getting along well and developing nicely in size and plumage.

When we arrived there Mr. Holterman had just returned in his automobile from the inspection of several of his flocks of "Aristocrat" Barred Rocks which he had placed with farmers near by. We remember distinctly the expression of delight that came over Mr. Holterman's face when describing these birds to his wife, telling of the excellent type of certain individuals he saw and the beautiful snappy barring they possessed. It is the mutual interest and co-operation that is bringing success to the Holtermans and making the "Aristocrat" Barred Rocks more popular and better known year by year. His keen interest and love for the business coupled with the fact that his birds are making good for those who buy them, spur Mr. Holterman to breed them better and better each year.

ROSE COMB REDS

A fine lot of cockerels closely related to my Buffalo winners, \$3.00 to \$10.00.

C. E. RILEY, 973 Broadway, BUFFALO, N. Y.

WYANDOTTES, SILVER, GOLDEN AND WHITE

500 head of the very finest show birds to spare and fancy breeders, including many rare, fine cock birds, at moderate prices. Bred from our New York and other great winners. No better bred stock in America; also Golden Sebrights. FINELY ILLUSTRATED CIRCULAR.

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Bred as a specialty and producing winners wherever shown. Fine lot of cockerels for sale. Pens and trios at reasonable prices, also single birds. Largest flock in the east. Heavy layers of large white eggs. Settings of eggs for sale. Mating list for 1917 upon request.

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Make Your Hens Lay

You can double your egg yield by feeding fresh-cut, raw bone. It contains over four times as much egg-making material as grain and takes the place of bugs and worms in fowls' diet. That's why it gives more eggs—greater fertility, stronger chicks, larger fowls.

MANN'S BONE CUTTER

LATEST MODEL cuts easily and rapidly all large and small bones with adhering meat and gristle. Automatically adapts to your strength. Never clogs. Sent on 10 Days' Free Trial. No money down. Send for our free books today.

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HAYWARD'S WHITE ROCKS

WON at Boston, 1916

1, 2, 3, 4 Pullet 5, 6, Hen

1, 4, 6 Cockerel 2, 4, Pen

Champion Male, best display, also shape and color specials.

THIS RECORD SPEAKS FOR ITSELF!

High class stock for sale; also eggs in season, at reasonable prices.

Circular free.

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Westboro, Mass.

A Chance for YOU TO MAKE MONEY

The almost prohibitive food prices during these times of high prices are sending poultry products upward. You can turn your back lot to large profits with a few hens, or you can turn your farm to greater profits if you know how to properly house, feed and breed your fowls.

Wm. B. Sutcliffe, Mt. Pocono, Pa., wrote to us as follows:—"I think I have received value worth \$1000 or more and I am in the height of my glory that I took your course."

"Dollars and Sense in the Poultry Business" tells how you can succeed in establishing a lucrative business right at your own home. Our Free Book paves the way. Send right now! A postal card will do. DO IT TODAY.

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COLISEUM SHOW, CHICAGO DECEMBER 13-18, 1916

By A. O. Schilling

(Continued from page 116)

carried horizontally, and he had a deep full breast with a well-spread, low-carried tail. Their fourth prize cockerel was a bird of very good type and we thought he was one of the best colored birds in the class. Both males heading the winning pens exhibited by Ranch 1733 were specimens capable of holding their own in the single classes. The cock heading third prize pen was a bird of beautiful symmetrical form. He was large and sturdy, standing squarely and straight on a pair of well-set legs. His color was sound and quite even, having plenty of brilliancy. The cock heading second prize pen was a bird of similar character, and it is needless to say that in order to win 2nd and 3rd prizes in such a class as we found at the Coliseum, the females necessarily had to be of equally good form and color as the males mentioned above.

Ranch 1733 also exhibited in the S. C. R. 1. White classes, winning 1 cock; 1 hen; 2 cockerel; 1 pullet. Mr. Russell F. Palmer, manager of this Ranch, says that this comparatively new variety is destined to become very popular, for he has already had a strong demand for stock and eggs from this particular flock. Personally, we believe there is a field for this new creation, and the fact that some of the specimens we have seen are decidedly R. I. Red in type, gives us reason to believe that they will become popular in the near future, especially if they are taken up by such breeders as Mr. Palmer.

We had an interesting interview with our friend, Dr. L. E. Heasley, Holland, Mich., who is one of the most successful breeders of S. C. Buff Leghorns in the country. Dr. Heasley is an enthusiastic admirer of this variety and is proving that it is second to none as a show bird and as a heavy producer of eggs. In the regular S. C. Buff Leghorn classes Dr. Heasley won 1, 2, 3, 4 cocks; 1, 2, 3 hens; 2, 3, 5 cockerels; 1, 3, 4 pullets; 1, 2, 4 old breeding pens; 1, 2, 3 young breeding pens.

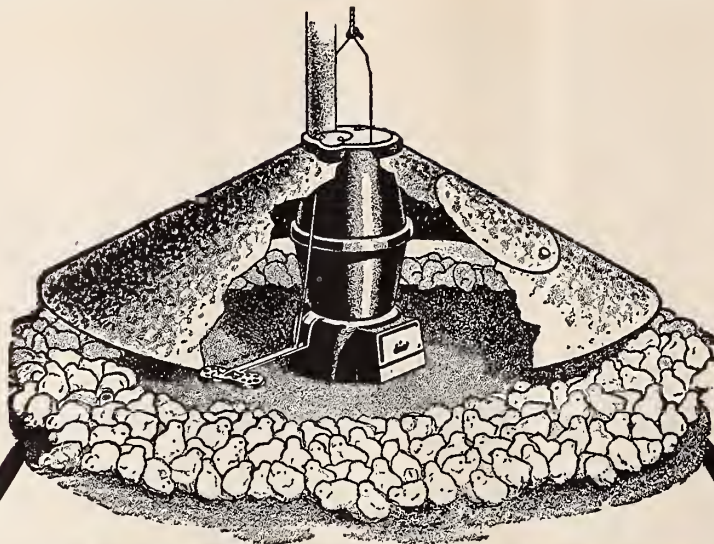
His winnings represent three times as many points as all thirteen other competitors won. Dr. Heasley's Buff Leghorns also won silver cup for best display, association cup, for best display, silver cups for best shaped and best colored male, and all club ribbons. The cock that headed his first prize pen is a son of the hen that laid 193 eggs at the last Storrs, Conn., Egg Laying Contest. This same male also won shape and color specials at the Coliseum Show. Several of the winning males under ribbons were sired by sons of hens that have records of over 200 eggs. Dr. Heasley told us that 40 per cent of the S. C. Buff Leghorns entered by him in the Missouri National Egg Laying Contest at Mountain Grove, Mo., crossed the 200 egg record in eleven months. This truly noteworthy egg production, added to the show records made by Dr. Heasley's Buff Leghorns, show the value of his strain. When poultry breeders can combine the utility and show qualities to the extent that Dr. Heasley has in his birds, we predict that the poultry business will make great strides.

We were delighted with the excellent quality displayed in the Blue Orpington birds shown by Rau & Fry, Hawthorne Poultry Farm, Indianapolis, Ind. They carried off the following honors; 1st and 2nd cock; 1, 2, 3, 4 hens; 2nd cockerel; 1, 2, 4 pullets; 1 old pen; 1 young pen.

We examined the first prize pen very carefully and found several females of as fine a quality as we have seen to date. We recall in particular one hen that was a former prize winner at Madison Square Garden as well as Chicago. She was a beauty with grand rich ground color showing plenty of distinct lacing in all sections and particularly so on lower body fluff, which we regard as a very uncommon feature. The first prize Blue Orpington pullet was also an extra good one, having remarkable type and development. She also had excellent lacing, and will, no doubt, develop into a wonderful hen.

In addition to this winning on Blue Orpingtons, Messrs Rau & Fry carried off second prize on pullet in the finest class of Black Orpingtons that has ever been seen at the Coliseum. These classes contained a number of representatives of the most famous flock of Black Orpingtons in America. That Messrs Rau & Fry succeeded in cap-

[Continued on page 156]



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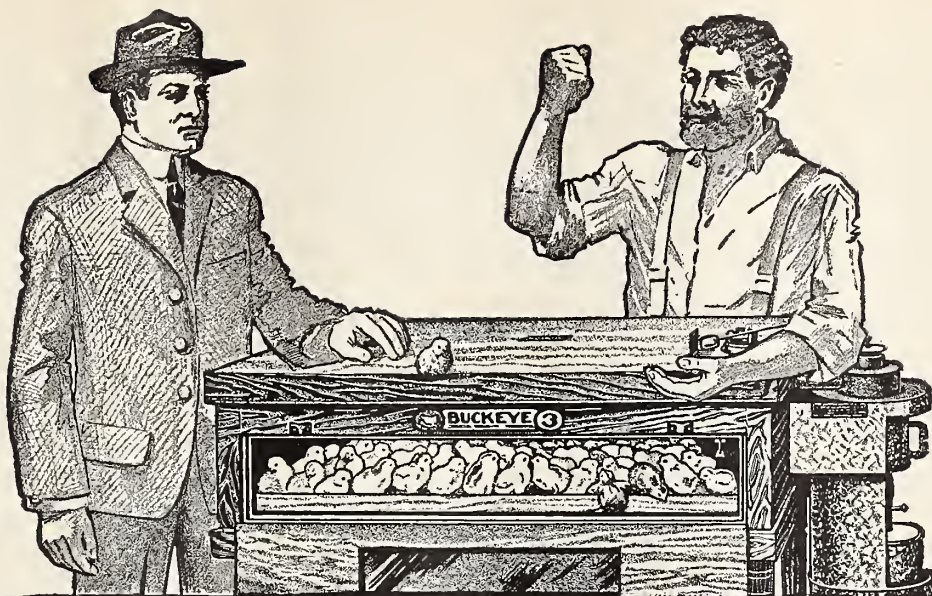
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"When a fellow has been through the mill in this chicken business as I have he should *know* some things instead of thinking about them. I fussed around with cheap machines of different kinds for two or three years and it almost busted me.

"I was about ready to quit, when I saw a Buckeye hatching in a dealer's store. When he started out to tell me what a wonderful incubator it was, I cut him short and told him what I wanted to know was where I got off if the machine didn't perform right.

"He came right back at me with this: 'Buy a Buckeye, use it 40 days and if it doesn't give you more and bigger, stronger chicks than any other incubator I will take it back.'

"I knew he was all right, so I took him up.

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"That was three years ago. And you see I have a bunch of machines now, and they are all Buckeyes. That incubator certainly did the business, and I don't think I have lost a hatchable egg in three years.

"You couldn't give me any other kind of incubator as a present. I am willing to pay more money for a Buckeye because I know that I save both money and trouble.

"And they're less work, too. All I need to do is to look after them twice a day—turn the eggs and keep the lamps going. It is all the same whether it is a bright spring day or blizzard weather in winter. No matter where the temperature goes I never worry about my Buckeyes.

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The Buckeye Incubator Company

237 Euclid Avenue

Springfield, Ohio

(Continued from page 154)

turing second place with one of the pullets of their small entry is proof of the high quality of their strain of Black Orpingtons, which, no doubt, will win their share in future shows. We understand that the Black Orpington has long been a particular favorite of Mr. Fry.

Pratt Experiment Farm, Morton, Pa., made an excellent showing in S. C. Black Minorca classes, also of their White China geese and Pekin ducks. On S. C. Black Minorcas they won 3 cock; 1, 2 hens; 3, 5 cockerels; 1, 5 pullets; 1 young pen. On R. C. Black Minorcas they won 1 cock; 1 hen; 2 cockerel; 2 pullet. On White China geese they won first on cock, hen, cockerel and pullet, while on Pekin ducks they won 1, 2 cock, hens and pullets; 1, 3 cockerels.

Much interest and keen competition was centered in the S. C. White Leghorn classes at the exhibition, 135 specimens being shown in the different classes.

Frank E. Hering, South Bend, Ind., was by far the heaviest winner. He carried off practically everything for which he competed. His total winnings were 1, 2, 3, 4, 5 cocks; 1, 2 hens; 1, 2, 3 cockerels; 1, 2, 3, 4 pullets; 1, 2 old breeding pens; 1, 2 young breeding pens. In addition to this wonderful record he won three silver cups, also silver cup for whitest male and cup for five best hens, as well as the D. W. Young cup for the best cock, hen, cockerel and pullet, also sweepstake championship for best display. We were informed by Mr. Hering that 21 pens were mated December 21st. These pens contain 21 males that have been under the ribbons at Chicago. Mr. Hering extends an invitation to all prospective customers to visit his plant and chose

the eggs from the individual specimens. The door will always be open with a welcome awaiting you at his plant.

In Silver Campines, Mr. Hering exhibited his usual large string of high quality specimens, making practically a clean sweep. They contain the blood lines of the choicest quality that was ever brought into this country, and he has bred up a great flock. We recall many excellent males that we handled personally and passed judgment upon them in competition, and we are free to state that Mr. Hering is ready to supply the same high quality that he has furnished in the past.

Winnings of the A. P. W. Advertisers.

WHITE ROCKS—U. R. Fishel, Box B, Hope, Ind., 1, 2, 3, 5 cocks; 2, 4, 5 hens; 1, 2, 3, 4 cockerels; 1, 2, 4, 5 pullets; 1, 2 (old) breeding pen; 1, 2, 3 (young) breeding pens.

BUFF WYANDOTTES—Stuart A. Howland, Granville, N. Y., 2 cockerel.

R. C. Rhode Island Reds—Longfield Poultry Farm, Box 327, Bluffton, Ind., 2, 3 cocks; 1, 2 hens; 1 cockerel; 1, 4 pullets; 1, 4 (old) breeding pens; 1, 3 (young) breeding pens. 1733 Ranch, Kearney, Neb., 4 cock; 5 hen; 3 cockerel; 3 (old) breeding pen; 2 (young) breeding pen.

R. C. RHODE ISLAND WHITES—1733 Ranch, Kearney, Neb., 1 cock; 1 hen; 2 cockerel; 1 pullet.

LIGHT BRAHMAS—Riverdale Poultry Farm, Riverdale, N. J., 5 cockerel; 5 (old) breeding pen.

S. C. WHITE LEGHORNS—Frank E. Hering, South Bend, Ind., 1, 2, 3, 4, 5 cocks; 1, 2, 4 hens; 1, 2, 3 cockerels; 1, 2, 3, 4

pullets; 1, 2 (old) breeding pens; 1, 2, 5 (young) breeding pens.

S. C. BUFF LEGHORNS—Dr. L. E. Heasley, Holland, Mich., 1, 2, 3, 4 cocks; 1, 2, 3 hens; 2, 3, 5 cockerels; 3, 4 pullets; 2, 5 (old) breeding pens; 1, 2, 3 (young) breeding pens.

S. C. BLACK MINORCAS—Pratt Experiment Station, Morton, Pa., 3 cock; 1, 2 hens; 3, 5 cockerels; 1, 5 pullets; 1 (young) breeding pen.

ROSE COMB BLACK MINORCAS — 1 cock; 1 hen; 2 cockerel; 2 pullet.

SILVER CAMPINES — Frank E. Hering, South Bend, Ind., 1, 2, 4, 5 cocks; 1, 2, 3, 5 cockerels; 1, 2, 3, 4, 5 hens; 1, 2, 3, 5 pullets; 1, 2 (old) breeding pens; 1, 2 (young) breeding pens.

WHITE ORPINGTONS — 1733 Ranch, 3 cock; 3 cockerel; 5 (old) breeding pen.

BLACK ORPINGTONS — Rau & Fry, Indianapolis, Ind., 2 pullet.

BLUE ORPINGTONS — Rau & Fry, 1, 2 cocks; 1, 2, 3, 4 hens; 2 cockerel; 1, 3 pullets; 1 (old) breeding pen; 1 (young) breeding pen.

RED SUSSEX — Frank L. Platt, Swanton, Ohio, 1 cock; 1 hen; 1 cockerel; 1 pullet.

WHITE CHINA GEESE — Pratt Experiment Farm, 1 cock; 1 hen; 1 cockerel; 1 pullet.

PEKIN DUCKS — Pratt Experiment Farm, 1, 2 cocks, 1, 2 hens; 1, 3 cockerels; 1, 2 pullets.

ROUEN DUCKS — Sheffield Farm, Glendale, Ohio, 1 cock; 3, 5 hens; 3, 4 cockerels.

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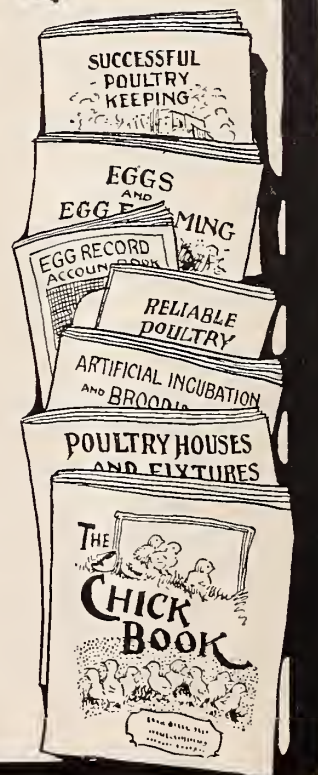
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1916

1917

Following is a list of poultry shows that are to be held from January eighth to the close of the season. The secretary, whose name follows the date, resides in the town where the show is held, unless a different address is given.

ALABAMA

Montgomery, January 23-29, Robert West.

CALIFORNIA

Pasadena, January 22-26, J. D. Klepper.

CANADA

Clinton, January 16-18, Thos. Watts.

COLORADO

Denver, January 22-27, F. P. Johnson.

Greeley, January 8-12, F. A. Ogle.

CONNECTICUT

Greenwich, January 16-18, W. M. Newton.

Middletown, January 23-26, Chas. L. Bliss.

New Haven, January 2-5, M. T. Clark, West Haven.

FLORIDA

Jacksonville, January 23-27, C. R. Bill, 335 East Monroe.

ILLINOIS

Carbondale, January 9-12, F. W. Myers.

Chicago (Coliseum), December 13-18, Theo. Hewes, Indianapolis, Ind.

Chicago, January 10-16, D. E. Hale, 930 Monon Bldg.

Decatur, January 15-20, H. B. Lowe.

DeKalb, January 8-13, W. A. Hyde.

Havana, January 8-13, H. W. Chambers

Joliet, January 8-12, A. L. Schaller.

Monmouth, January 8-13, S. L. Hamilton.

Rockford, January 8-13, Theo. W. Van de Mark.

INDIANA

Bedford, January 9-12, John G. Hogan.

Brazil, January 8-13, J. C. Macdonald.

Columbus, January 29-February 3, W. Grant Kitchen.

Evansville, January 8-14, Claire C. Worthington.

Ft. Wayne, January 17-21, J. C. Howenstein.

Indianapolis, February 8-12, Theo. Hewes.

LaFayette, January 8-13, L. J. Munger.

IOWA

Cedar Rapids, January 22-26, H. J. Whitfield.

Mason City, January 8-12, B. A. Wisner.

Muscatine, January 22-26, J. C. Collins.

Sheldon, January 10-12, Geo. U. Shipley.

Sioux City, January 9-13, E. P. Hunt, Jr.

Sioux City, January 16-20, E. P. Hunt, Jr.

Sioux City, January 23-27, E. P. Hunt, Jr.

KENTUCKY

Louisville, January 8-13, Ohio Falls Fanciers' Association.

MARYLAND

Washington, D. C., January 18-22, R. D. Lillie, 227 Maple Avenue, Takoma Park.

MASSACHUSETTS

Boston, January 9-13, W. B. Atherton, 36 Broomfield St.

MICHIGAN

Bay City, January 24-29, R. H. Schafer.

Calumet, January 24-27, Geo. P. Balcom, Laurium.

Detroit, January 9-14, Fred M. Crowe, Owosso.

Flint, January 8-13, Neil A. Dewar.

Grand Rapids, January 16-19, John Bowstrom.

Ionia, January 20-February 2, Vera K. Williams.

Manistee, February 6-9, Mrs. Chas. Walters.

Muskegon, January 23-27, H. S. Nobel, Muskegon, Hgts.

Pontiac, January 16-20, Levi Buck.

MINNESOTA

Duluth, February 1-6, S. B. Suydam.

St. Cloud, January 18-22, H. C. Nierengarter.

MISSOURI

Kansas City, January 8-12, E. L. Noyes.

NEW YORK

Batavia, January 8-13, C. B. Patterson.

Elmira Heights, January 10-13, H. B. Peckham.

Granville, January 22-27, D. B. Draymer.

Oneida, January 9-12, R. H. Dewitt.

Oneonta, January 18-22, Frank Hanes.

Rochester, February 1-7, De Forest A. Harmon.

Utica, January 15-21, L. J. Bushnell.

Warwick, January 9-11, G. A. Williams.

NORTH DAKOTA

Bismarek, January 31-February 2, Frank Mitholland.

OHIO

Amherst, January 23-27, Chas. M. Hamann.

Cleveland, January 8-13, J. O. Somers, Bedford.

Columbus, January 8-13, W. S. Limes.

Delphos, January 22-27, Dr. F. A. Young.

Eaton, January 29-February 3, H. E. Dalrymple.

Gallipolis, January 15-20, C. J. McCormick.

Greenville, January 8-13, T. A. Mendenhall.

Ironton, January 15-20, John McMahan.

Jamestown, January 10-13, R. H. Glass.

Marietta, January 22-27, T. N. Fenn.

New Bremen, January 9-13, Dr. W. J. Stappe.

Wausegon, January 9-13, Harry L. Merrill.

Woodville, January 24-28, A. H. Mauntler.

Wooster, January 30-February 2, A. H. Smith.

OKLAHOMA

Carnegie, January 10-13, P. C. Dawson.

Enid, January 8-13, C. F. Schultz.

PENNSYLVANIA

Corry, January 15-20, L. M. Durham.

Jeannette, January 8-13, L. A. Kearns.

Johnstown, January 8-13, J. Earl Penrod.

New Castle, January 23-27, C. M. McCormick.

Oil City, January 24-27, Chas. R. Baker.

Pittsburgh, January 15-20, Geo. R. McDonald.

Uniontown, January 22-27, E. E. Endsley.

Zelienople, January 8-13, H. E. Cumberland.

SOUTH DAKOTA

Mitchell, January 22-26, R. C. Raines.

Pierre, January 9-13, Jos. Ihli.

UTAH

Salt Lake City, January 8-13, S. H. Sorensen.

Ogden, January 22-27, J. H. Shafer.

VIRGINIA

Norfolk, January 9-13, L. C. Page.

WEST VIRGINIA

Charleston, January, 15-20, Julian C. Byrd.

Huntington, January 22-27, Geo. Parent.

WISCONSIN

Chippewa Falls, January 23-27, J. R. Costerian.

Eau Claire, January 16-19, A. H. Ahrens.

Milwaukee, January 18-23, Theo. Hewes, Indianapolis.

Oshkosh, January 9-14, L. C. Hanley.

Wausau, January 23-27, R. E. Hochtrit.

FARMERS WEEK AT COLUMBUS, OHIO

We are pleased to announce that the annual Farmer's Week is to be held at the Ohio State University, Columbus, Ohio, Jan. 29-Feb. 2. A special program consisting of ten lectures and fifteen hours of demonstrations will be offered in the interests of poultrymen engaged in the breeding of standard bred poultry.

Under the direction of W. H. Card, breeders of Plymouth Rocks, Rhode Island Reds, Leghorns and Wyandottes will be given the opportunity to study their breeds. Mr. Card will devote Tuesday to a study of Plymouth Rocks, Wednesday to Rhode Island Reds, Thursday to Leghorns and Friday to Wyandottes. He will discuss the origin, development and general characteristics of these breeds in the morning lectures, while the afternoon will be given to actual instruction and practice in scoring and judging by comparison.

A conference of poultry judges will be held Monday forenoon, the object of which

will be to bring about a closer co-operation among the Ohio poultry judges.

On Wednesday and Friday mornings F. S. Jacoby, assistant professor of poultry husbandry, will speak on incubation and brooding. Mr. M. C. Kilpatrick, specialist in poultry husbandry of the Extension Service, will talk on "Feeding Poultry For Egg Production" and "Fattening Poultry For Market", these talks to be given Tuesday and Thursday mornings.

In addition to the Poultry program, instruction will be offered in other lines of farm work. Chas. S. Wheeler, Director Agricultural College Extension Service, Ohio State University, Columbus, Ohio, will mail a complete program to those who request.

The Second Annual Ohio State University Egg Show will be held at Columbus during Farmer's Week. Competition is open to all breeders of pure-bred poultry in Ohio.

No entry fee will be charged but transportation charges must be prepaid. All eggs become the property of the Ohio State University and will be donated to some Columbus charitable institution at the close of the show.

Prizes will be awarded on white and brown eggs of the market and fancy classes, the heaviest dozen white eggs, the heaviest dozen brown eggs, etc.

For premium list and entry blank, address M. C. Kilpatrick, instructor in poultry husbandry, Ohio State University, Columbus, Ohio.

Breeders' Special Display Cards

Advertisements of uniform size inserted under this heading at \$2.50 per month in advance, six months for \$13.50 or \$2.00 per month by the year, payable quarterly in advance.

Hutchinson's White Orpingtons

THE SOUTH'S BEST

Cockerels \$5.00 up.

Eggs \$3.00 per 15.

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17

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Winners at the Great Panama-Pacific International Exposition. Pullet won championship ribbon at Springfield, Ohio, for best pullet in entire show.

Guaranteed eggs from these prize winners \$5.00 per setting.

17

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Springfield, Ohio.

BUFF LEGHORNS**AND WATER FOWL****QUALITY ONLY WRITE ME**

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S. C. WHITE LEGHORNS**A Utility Flock of Quality**

Won first hen Grand Central Palace, New York City, 1915. Stock and Hatching Eggs at reasonable prices.

17

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Won First Prize and Gold Medal at Panama-Pacific Exposition

Separate layers from non-layers automatically without attention. Write for booklet and prices.

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PEERLESS WHITE ROCKS

Have proved to skeptics that they are the real goods. Write for our winners. Four grand exhibition matings.

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Cocks Bros., East St., Attleboro, Mass.

THE FLOWER CITY SHOW

The members of the Flower City Poultry and Pigeon Association, Inc., were delayed somewhat in perfecting their arrangements for their show, which is to be staged in the three big buildings at Rochester's beautiful Exposition Park during the week of Feb. 1-7. They are planning to make it the "round-up" show of the season, and those in charge are working hard to make it a big success. Secretary Harmon writes that "All of their old entertaining features and drawing cards will be revived, including their original Utility Exhibit, which is now a fixture at all the shows of the better sort." Secretary Harmon also promises that when the premium list is received it will show another of their original and novel features for the benefit of the exhibitors that will please them much. A number of specialty clubs have decided on Rochester as the place to hold their annual meetings and any club that has not yet decided on a place would do well to get in touch with Secretary Harmon. Their attractive premium list is ready for mailing, but will be sent only on request, so those of our readers who desire one should write without delay. The edition will be limited on account of the high cost of paper.

Entries close January 13, or as soon as the cages which the association owns are filled. The judges are Messrs. Welles, Nixon, Anderson, Minich, Young and Braun.

In addition to the displays of poultry, pigeons and pet stock the Flower City Association is going to have a Corn Show. There will be no entry fee charged, but some liberal prizes are to be offered. A post card addressed to DeForest A. Harmon, Secretary, Flower City Poultry & Pigeon Association, Inc., P. O. Box 554, Rochester, N. Y., will bring interested readers any further information or a premium list.

ROESMONT BROWN LEGHORN win out at St. Louis at the National club meet, Nov. 25-30, 1916. 1st chl. 1, 2, 3, hens; 1, 2 pullets; 2, 3 pens; 4 cock. Most specials, cups etc. Do you want the best? We can suit you in a pullet-bred cockerel. A few nice light hens and pullets. Write Franklin, Pa.

LEGHORNS—R. C. BUFF.

ALL BREEDERS of Buff Leghorns should send today for a copy of the Book "The Leghorns", the last word on this popular fowl. Contains beautiful plate of Buffs in natural colors. 144 pages, profusely illustrated. Send \$1.00 today for copy. May be returned if not as represented. **AMERICAN POULTRY WORLD**, Buffalo, N. Y. tf

FISK'S ROSE COMB BUFF LEGHORNS are Madison Square Garden winners. Catalogue, Howard J. Fisk, Box N, Falconer, N. Y. 12-2-7

LEGHORNS—S. C. BUFF

EGG-BRED BUFF LEGHORNS. (Single Comb) Elegant breeders, eggs and chicks priced right. Circular. L. M. Munger, DeKalb, Ill. tf

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Book Dept.

BUFFALO, N. Y.

A GREAT POULTRY SHOW

Mr. E. H. Zeigler, special representative of the Baltimore and Ohio Railroad Company, was kind enough to send us a clipping from the Hagerstown, Maryland, Morning Herald, containing the annual report of the Board of Directors of the Agricultural and Mechanical Association of Washington County (Md.), for the year, ending December 1st, 1916. Some of the figures are interesting to poultrymen. So impressed was Mr. Zeigler with them that he suggests that instead of being called the Great Hagerstown Fair, it should be called the Greater Hagerstown Poultry Show.

The entry fees received for poultry at the 1916 Fair amounted to \$4,789.24; the entry fees for live stock amounted only to \$355.00, and the horse show entry fees were \$296.00.

Evidently the powers that be appreciate the poultry exhibition, for the poultry premiums amounted to \$7,356.00. The live stock premiums, however, amounted to \$4,802.50, which is relatively greater than the amount awarded to poultry.

The friends of the Hagerstown Fair will be pleased to know that the receipts were nearly \$4,500.00 in excess of the previous year, and though the expenditures were greater than last year, there is a balance on the right side of the ledger.

There is no good reason why each state should not have a first-class fall poultry exhibition in connection with a fall fair, and we hope that soon the poultrymen of other states can point to the poultry departments of their fall fairs with the same pride that New York poultrymen call attention to the remarkably large and fine exhibition of poultry that is held every fall in connection with the New York State Fair at Syracuse.

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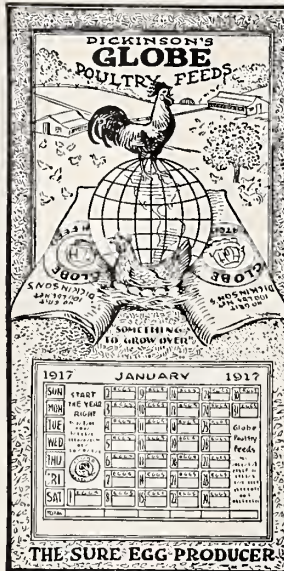
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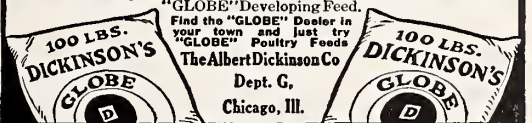


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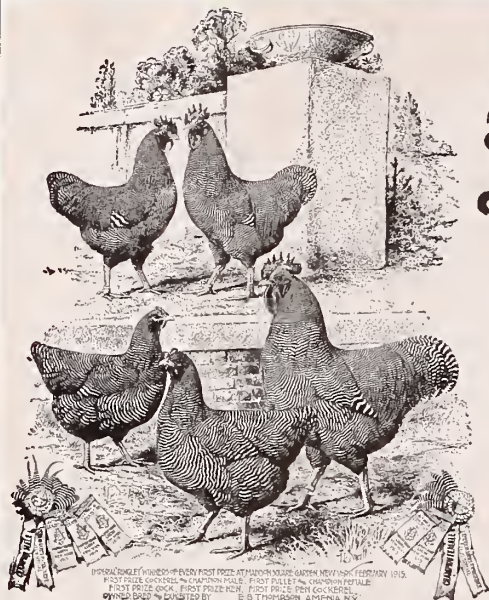
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